THE UNIVERSITY

OF

NORTH CAROLINA

CATALOGUE

1903-1904

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THE UNIVERSITY OF NORTH CAROLINA

THE ONE HUNDRED
AND NINTH SESSION

THE CATALOGUE

1903-1904

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CHAPEL HILL

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CALENDAR.

1904.

September 5-10. *Monday to Saturday.* Examinations for Removal of Conditions.

September 5, 6, 7. *Monday, Tuesday, Wednesday.* Examinations for Admission into the College.

September 5, 6, 7. *Monday, Tuesday, Wednesday.* Registration.

September 8. *Thursday.* Lectures begin.

October 12. *Wednesday.* UNIVERSITY DAY.

November 24. *Thursday.* THANKSGIVING DAY.

RECESS from December 22, 1904, to January 3, 1905.

1905.

January 3, 4, 5. *Tuesday, Wednesday, Thursday.* Registration.

January 5. *Thursday.* Lectures begin.

February 22. *Wednesday.* WASHINGTON'S BIRTHDAY.

May 1. *Monday.* Selection of Commencement Orators.

May 15. *Monday.* Last Day for the Delivery of Graduating Theses at the Registrar's Office.

May 28. *Sunday.* Baccalaureate Sermon.

May 29. *Monday.* Inter-Society Banquet. Reunions of the Literary Societies in their Halls.

May 30. *Tuesday.* Senior Class Day.
Address to the Alumni.
Meeting of the Board of Trustees.
Debate by the Representatives of the Dialectic and Philanthropic Literary Societies.

May 31. *Wednesday.* COMMENCEMENT.

SUMMER VACATION from Commencement to the Second Thursday in September.

THE UNIVERSITY.

FOUNDATION AND GOVERNMENT. The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of Section XLI declared that "all useful learning shall be duly encouraged, and promoted in one or more universities." The Charter was granted by the General Assembly in 1789, the corner stone of the Old East Building was laid in 1793 and the University was opened in 1795.

The title, preamble and first section of the Act of incorporation are as follows:

"*An Act to establish a University in this State.*

"WHEREAS in all well regulated Governments, it is the indispensable Duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honourable Discharge of the social Duties of Life, by paying the strictest Attention to their Education: And whereas an University supported by permanent Funds, and well endowed, would have the most direct Tendency to answer the above Purpose:

"I. *Be it therefore enacted by the General Assembly of the State of North-Carolina, and it is hereby enacted by the Authority of the Same*, That, *Samuel Johnston, James Iredell, Charles Johnson, Hugh Williamson, Stephen Cabarrus, Richard Dobbs Spaight, William Blount, Benjamin Williams, John Sitgreaves, Frederick Hargett, Robert Snead, Archibald Maclaine*, Honourable *Samuel Ashe, Robert Dixon, Benjamin Smith*, Honourable *Samuel Spencer, John Hay, James Hogg, Henry William Harrington, William Barry Grove*, Reverend *Samuel M'Corkle, Adlai Osborne, John Stokes, John Hamilton, Joseph Graham*, Honourable *John Williams, Thomas Person, Alfred Moore, Alexander Mebane, Joel Lane, Willie Jones, Benjamin Hawkins, John Haywood*, senior, *John Macon, William Richardson Davie, Joseph Dixon, William Lenoir, Joseph M'Dowell, James Holland* and *William Porter*, Esquires, shall be and they are hereby declared to be a Body politic and corporate to be known and distinguished by the name of *The Trustees of the University*

of North Carolina;* and by that name shall have perpetual Succession and a common Seal; and that they the Trustees and their Successors, by the Name aforesaid, or a Majority of them, shall be able and capable in Law to take, demand, receive and possess all Monies, Goods and Chattels that shall be given them for the Use of the said University, and the same apply according to the Will of the Donors, and by Gift, Purchase or Devise to take, have, receive, possess, enjoy and retain to them and their Successors forever, any Lands, Rents, Tenements and Hereditaments, of what Kind, Nature or Quality soever the same may be, in special Trust and Confidence that the same or Profits thereof shall be applied to and for the Use and Purpose of establishing and endowing the said University."†

The University is governed by a board of trustees elected by the Legislature, and is free from sectional, sectarian, or political control. The Governor of the State is *ex-officio* President of the Board of Trustees.

Article IX of the Constitution of 1876 contains the following provisions regarding the University:—

"Sec. 6. The General Assembly shall have power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof, in anywise granted to or conferred upon the Trustees of said University; and the General Assembly may make such provisions, laws and regulations from time to time as may be necessary and expedient for the maintenance and management of said University.

"Sec. 7. The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University."

Location. The seat of the University is Chapel Hill, Orange county, twenty-eight miles northwest of Raleigh. Two daily passenger trains run between Chapel Hill and University Junction, a station on the North Carolina Railroad. The site for the institution was selected because of its healthfulness, its freedom from malaria, its supply of pure water, its beautiful scenery and its central position in the State.

*The corporate name has been changed to The University of North Carolina.

†Laws of the State of North Carolina, published by James Iredell, Edenton, MDCCXCI.

EQUIPMENT. The University campus contains forty-eight acres of land, affording ample grounds for buildings and for all sorts of athletic sports. The University owns, contiguous to the campus, five hundred acres of forest land, which is partly laid off in walks and drives. The University has seventeen buildings.

The South Building contains two lecture rooms and thirty living rooms.

The Old East Building contains two lecture rooms and twenty-eight living rooms.

The Old West Building contains two lecture rooms, the Historical Museum and twenty-seven living rooms.

Person Hall contains the Chemical Laboratory, Museum, and a lecture room.

Gerrard Hall is used for morning prayers, for the meetings of the Young Men's Christian Association and for public lectures.

Smith Hall contains the College Library and the reading rooms.

The New West Building contains the Dialectic Literary Society's Hall, the Pharmaceutical Laboratory, two lecture rooms and nine living rooms.

The New East Building contains the Philanthropic Literary Society's Hall, the Biological Laboratory and Museum, the Geological Laboratory and Museum, the Physiological Laboratory, the offices of the North Carolina Geological Survey and three lecture rooms.

Memorial Hall commemorates the illustrious dead of the University. It is used at Commencement for public exercises.

The Alumni Hall contains the offices of administration, the Physical Laboratories and ten lecture rooms.

The Carr Building, the gift of Gen. J. S. Carr, contains forty-two living rooms fitted with every modern convenience.

The Mary Ann Smith Building contains forty living rooms of the most modern type.

**The William Preston Bynum, Jr., Gymnasium* is the gift of Judge William Preston Bynum, in memory of his grandson, William Preston Bynum, Jr., of the class of 1893. It is furnished with modern apparatus, swimming pool, baths, lockers, running track; and contains a trophy room and the office of the Instructor in Physical Training.

* In process of construction; will be ready for use in the Fall term, 1904.

The Dissecting Hall, for the use of the Medical School, is apart from the other buildings.

The Infirmary contains five rooms which are properly furnished for the care and treatment of the sick.

Commons is the dining hall of the University. The whole enterprise was made possible through the beneficence of Mrs. Frederick Baker, of New York. Board is furnished at eight dollars a month. Students wait upon the tables.

The Power House contains the electric lighting plant, the central heating plant, filter and pumps of the system of water supply, and the rooms of the University Press.

The general equipment has been improved by a thorough system of sewers and baths, a supply of pure water in all buildings, and hot water heat in all the offices, recitation rooms and living rooms.

College Year. The College year begins on the second Thursday in September. Commencement is held on Wednesday before the first Thursday in June. The Summer vacation begins at Commencement and ends on the Wednesday before the second Thursday in September. There is a Christmas recess of about ten days. The twelfth of October (University Day), Thanksgiving Day and the twenty-second of February (Washington's Birthday) are holidays.

Degrees. The degrees of Bachelor of Arts, Master of Arts, Doctor of Philosophy, Doctor of Medicine, Bachelor of Laws and Graduate in Pharmacy are conferred by the vote of the Trustees, after the recommendation of the Faculty, upon candidates who have satisfied the requirements of residence and study at the University. Students who are not candidates for a degree may elect any studies they wish, devoting their time entirely to one or two subjects, or selecting groups of such subjects as suit their tastes and purposes.

Graduate Students. Free instruction is offered in the College to graduates of colleges and universities. Women are admitted to the higher courses of the University.

Physical Training. Hearty encouragement is given to athletic sports and to all kinds of physical culture. The athletic field furnishes ample facilities for football and baseball. The Lake Track is admirably adapted for running, bicycling and general track athletics. Fifteen tennis courts

are located on the campus. Systematic exercise in the Bynum Gymnasium under a skilled instructor is required of all students in the College, except Seniors.

General Culture. The University endeavors to furnish such general culture outside the lecture rooms and laboratories as will broaden the minds and sympathies of young men.

Religious Culture. Prayers are conducted in Gerrard Hall, with the reading of the scriptures and singing, every weekday morning except Saturday, at 8:30 o'clock. Attendance at this service is required of all members of the College, unless specially excused. Bible classes for young men are taught in each of the four churches of the village every Sunday. Religious exercises are held twice a week, or oftener in each church. A series of sermons is delivered annually by the University Preachers, chosen by the Trustees from the various denominations. Bible lectures are delivered every Sunday morning in Gerrard Hall. The Young Men's Christian Association meets three times a week, for prayer and other services, and conducts a series of Bible courses, which are numerously attended by the students.

Discipline. The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend or dismiss students for neglect of duty or for misconduct.

Medical Attendance. On the payment of a small annual fee, each student receives the careful attention of the University Physician. In this way the best medical advice is to be had at the least cost.

TRUSTEES.

CHARLES BRANTLEY AYCOCK, GOVERNOR, President *ex officio* of the Board of Trustees.
RICHARD HENRY BATTLE, Secretary and Treasurer.

MEMBERS OF THE BOARD.

1905.*

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* The legal term of office expires November 30 of the year indicated.
† Deceased.

1907.

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1909.

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1911.

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GEORGE STCLAIR MALLETT MacNIDER, *Assistant in Geology.*
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FLETCHER HARRISON GREGORY, *Assistant in Physics.*
GREEN RAMSEY BERKELEY, A.B., *Assistant in Biology.*
JOHN BUNYAN LeGWIN, *Assistant in Pharmacy.*

OTHER OFFICERS.

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EBEN ALEXANDER, PH.D., LL.D., *Supervisor of the Library.*
LOUIS ROUND WILSON, A.M., *Librarian.*
ANDREW HALL JOHNSTON, *Assistant in the Library.*
JASPAR VICTOR HOWARD, *Assistant in the Library.*
LINDO BRIGMAN, *Assistant in the Library.*
JOHN HENRY VAUGHAN, *Assistant in the Library.*
WILLIE THOMAS PATTERSON, *Bursar.*
CHARLES THOMAS WOOLLEN, *Registrar.*
JOHN FRANK PICKARD, *Superintendent of Buildings.*

STANDING COMMITTEES OF THE FACULTY.

The President is a member, *ex officio*, of all committees.

EXECUTIVE. President Venable, Deans Alexander, Gore.

CURRICULUM. Professors Gore, H. V. Wilson, Battle, Alexander, Hume, Noble.

AUDITING. Professors Toy, Cain.

ATHLETICS. Professors Graham, Mangum, Coker.

CATALOGUE. Professors Toy, Gore, Alexander; Mr. Stacy.

COMMONS. Professors Toy, Williams; Mr. McKie.

LIBRARY. Professors Alexander, Raper, Smith, Graham.

RECORD. Professors Alexander, Baskerville, Henderson.

PROFESSIONAL SCHOOLS. Professors MacRae, Whitehead, Howell.

SUBSTITUTIONS AND PETITIONS. Professors Gore, Smith, Alexander.

UNIVERSITY MAGAZINE. Professors Cobb, Hume; Mr. Bernard.

YOUNG MEN'S CHRISTIAN ASSOCIATION. Professors Hume, Wheeler, Bruner; Mr. McKie.

PUBLIC LECTURES. Professors Baskerville, Alexander; Mr. McKie.

DEBATES. Professors Hume, Williams, Raper, Smith.

SELF-HELP. Professors Wheeler, T. J. Wilson, Jr.; Mr. Latta.

UNIVERSITY PRESS ASSOCIATION. Mr. Latta; Professor T. J. Wilson, Jr.

UNIVERSITY SERMONS. Professors Toy, Raper, Henderson.

THE COLLEGE.

REQUIREMENTS FOR ADMISSION.

Admission into the Freshman Class.

Candidates for admission into the Freshman Class are received by examination or by certificate. Entrance examinations are held in September. Students who present certificates of work accomplished at preparatory schools or colleges, may be admitted without examination, provided that the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary.

Certificates must be made out on the printed forms furnished on application to the Registrar, and must be deposited with that officer, properly approved, before the work can be officially credited.

Subjects Accepted for Entrance.

Eight subjects may be offered for entrance to the University. Applicants for admission to the course leading to the bachelor's degree are required to offer five or six of these subjects, according to the group of studies to be pursued after admission.

The requirements in each of these eight subjects are as follows:—

1. GREEK. Three books of Xenophon's Anabasis, with questions on the more usual forms and constructions; simple narrative in English, based upon Xenophon's Anabasis, to be translated into Greek.

2. LATIN. Two books of Cæsar's Gallic War; four orations of Cicero; six books of Vergil's Aeneid: Latin Grammar, including prosody; simple narrative in English, based upon the prose read, to be translated into Latin.

3. *English. I. Grammar. Elements of Rhetoric.

II. Literature:

(*a*) For reading:—Shakspere's The Merchant of Venice and Julius Cæsar; The Sir Roger de Coverley Papers in The Spectator; Goldsmith's The Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's The Princess; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

(*b*) For study and practice:—Shakspere's Macbeth; Milton's L'Allegro, Il Penseroso, Comus and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

The candidate is expected to have sufficient knowledge of the books grouped under (*a*) to enable him to answer general questions on their substance. The form of the examination will be the composition of paragraphs on a number of topics connected with the works. The ability of the candidate to express his ideas in clear accurate English is a main consideration. No applicant should present himself who is notably deficient in spelling, grammar or paragraphing. Under group (*b*) are enumerated the works that are to be carefully studied. The questions will be upon subject matter and structure.

4. History. Either of the following courses:

(*a*) The histories of the United States, Greece and Rome as outlined in the best text books for high schools.

(*b*) The histories of the United States and England as outlined in the best text books for high schools.

5. Mathematics. A good working knowledge of Arithmetic, including fundamental operations (particularly on common and decimal fractions), compound numbers, percentage, interest and extraction of square root. Problems that are much more easily solved by algebra are not included here. The whole of a high school algebra and a college algebra to quadratics. The first three books of Plane Geometry.

6. German. A thorough knowledge of the inflections, including the most common strong verbs; acquaintance with the ordinary laws of German syntax; such facility in translation as is gained by a careful study of at least 150 duodecimo pages of ordinary modern German prose; ability to translate into German simple sentences based on the passage assigned for examination; accurate pronunciation.

*These requirements are uniform with those of the leading colleges in the United States.

7. FRENCH. Similar to the requirements stated for German, save that the applicant should have read at least 200 duodecimo pages of ordinary modern French prose.

It is recommended that the preparation for the entrance requirements in German and French be extended over two full school years, with four recitation periods per week, so as to allow time for short lessons with dictation exercises, oral practice and frequent reviews.

8. PHYSICS. The whole of an elementary course such as is contained in Carhart and Chute's High School Physics or its equivalent, embracing the work of at least one session of nine months.

Grouping of Subjects.

All candidates for admission to the Freshman Class must offer preparation in Mathematics, in English, in History, and in addition, the subjects designated in one of the following groups:

Group 1. Latin; Greek.

Group 2. Latin or Greek; French or German; Physics.

Group 3. French; German; Physics.

When applicants have had no preparation in Greek or in French or in German or in Physics, the requirement may be satisfied by pursuing the corresponding courses in College. But these studies will not then be counted as any part of the requirement for the bachelor's degree.

Examinations.

All candidates for admission into the Freshman Class must assemble in Gerrard Hall at 9 A. M. *Monday, September 5, 1904,* for preliminary registration. They will there be assigned to rooms for examination.

ORDER OF EXAMINATIONS.

Monday, September 5.

10 A. M.–1 P. M.	Latin.	3–5 P. M.	History

Tuesday, September 6.

10 A. M.–1 P. M.	Mathematics.	3–5 P. M.	English.

Wednesday, September 7.

10 A. M.–1 P. M.	Greek and Physics.	3–5 P. M.	French and German.

Arrangements have been made with certain schools in the State whereby examinations for admission may be held in May also, at the schools.

A stndent who fails to pass in any subject required for admissiou will be conditioued in that snbject. Such conditions must be removed before the beginning of the Sophomore year. He will receive no final mark in the department in which such condition occnrs until the condition is removed. Nor will he be admitted to the work of the Sophomore year in any departinent until all entrance conditions are removed.

Admission to Advanced Standing.

A candidate for advanced standing may be admitted to the Sophomore, Junior, or Senior class, with or without complete examination. He is snbject not only to the examinations required of candidates for admission into the Freshman Class, but to special examinations both in all the required stndies already pursued by the class which he desires to enter, and in as many elective studies as would have been required of him as a member of that class. When satisfied with the apparent fitness of the candidate, the examining committee may, in spite of his deficiencies in some studies, admit him to an advanced class; but a candidate so admitted is not recommended for the degree until his deficiences are made good. The examining committee may accept also, with proper restrictions, the official report of work satisfactorily completed at a college or nniversity of good standing, in place of an examination upon such previous work.

A candidate for advanced standing should present himself for examination on the same days and at the same hours with candidates for admission into the Freshman Class.

Admission of Students not Candidates for a Degree.

A student who desires to pursue a course of study, without becoming a candidate for a degree, may be admitted into the College upon the presentation of a certificate from the college or uuiversity last attended, or by passing satisfactory examiuatious on at least three subjects required for entrance. English must be one of the subjects offered. A candidate so admitted enjoys the same privileges as other members of the College, and is subject to the same regulations.

COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS.

In order to be recommended for the Bachelor's degree, the student must have passed satisfactory examinations in all the studies required in one of the groups prescribed for the Freshman and Sophomore years, and in a number of elective studies during the Junior and Senior years sufficient to amount to an average of fifteen hours of lecture or recitation per week for each of these years. Duly approved certificates of work accomplished at other colleges or universities will be credited without examination.

The group of studies selected for the Freshman and Sophomore years must correspond to the group of subjects offered for entrance.

Freshman Year.

GROUP 1. English 1 (3)*; Mathematics 1 (4); Greek 1 (4); Latin 1 (4).

GROUP 2. English 1 (3); Mathematics 1 (4); Greek 1 (4) or Latin 1 (4); German 2 (3) or French 2 (3); German 1 (3) or French 1 (3) or History 1 (3).

GROUP 3. English 1 (3); Mathematics 1 (4); German 2 (3) or French 2 (3), and six hours from the following: Spanish 1 (3); Italian 1 (3); History 1 (3); Geology 1 (3).

Sophomore Year.

GROUP 1. English 2 (3); Greek 2 (3) or Latin 2 (3), and nine hours (of which not more than six shall be in language) from the following: Greek 2 (3) or Latin 2 (3); German 1 (3); French 1 (3); Mathematics 2 (3); Chemistry 1 (3); Physics 1 (3).

GROUP 2. English 2 (3), and twelve hours (of which not more than six shall be in language) from the following: Greek 2 (3); Latin 2 (3); German

* Numerals in parentheses indicate the number of hours per week in each study.

2 (3); French 2 (3); German 1 (3); French 1 (3); Mathematics 2 (3); Chemistry 1 (3); Physics 1 (3).

GROUP 3. English 2 (3); Mathematics 2 (3); Chemistry 1 (3); Physics 1 (3), and three hours from the following: German 2 (3); French 2 (3); Geology 3 (3); *Biology 1 (5).

Junior Year.

ELECTIVE STUDIES amounting to fifteen hours per week.

Senior Year.

ELECTIVE STUDIES amounting to fifteen hours per week.

The elective studies are those outlined in the *Courses of Instruction* (p. 27 ff.) and not included in the studies designated as required in Groups 1, 2 or 3 of the Freshman and Sophomore years. Students are urgently advised to select definite lines of study on the principle of continuity and symmetry.

The selection made must in each case be submitted to the Dean of the Faculty for approval.

COURSES FOR STUDENTS NOT CANDIDATES FOR THE DEGREE.

Elective studies may be selected by students who are unable to complete the course leading to the degree. Students intending to pursue these elective studies must prove their qualifications according to the regulations on page 24. After satisfying these entrance requirements, they may elect such studies as they are qualified to pursue. These elective studies may be arranged as preparatory to teaching or to the study of law or medicine.

For students intending to teach, the following course is suggested:

FIRST YEAR: English 1, Mathematics 1, History 1, Pedagogy 1, 3 and 5; one study from the following group: Latin 1, Greek 1, French 1, German 1.

SECOND YEAR: English 2, Physics 1 or Chemistry 1, Pedagogy 2, 4 and 6. Electives amounting to a total of six hours from the following group: German, French, Greek, Latin, Mathematics, Geology, Physiology, History.

*If Biology 1 (5) is elected, two hours will be credited on the electives of the Junior year.

COURSES OF INSTRUCTION.

GREEK.

EBEN ALEXANDER, PH.D., LL.D., *Professor of the Greek Language and Literature.*

WILLIAM STANLY BERNARD, A.B., *Instructor in Greek.*

Professor ALEXANDER and Mr. BERNARD.

A. A course for students who have had no opportunity of studying Greek in the preparatory schools. An Introductory Book. Babbitt's Greek Grammar. Xenophon's Anabasis. *Four hours.*

Can be counted only for entrance to Group 1.

1. Homer's Iliad, books I., II. and III. Review of important grammatical principles. Lysias, selected speeches. Reading at sight. *Four hours.*

2. Plato, Apology and Crito; Aristophanes, Acharnians; Sophocles, Antigone. Reading at sight. Lectures on Greek Literature. *Three hours.*

3. Prose Composition, elementary course. *One hour.*

Intended as supplementary to Greek 1. Open also to those who are taking Greek 1 or 2.

4. Lectures on old Greek Life. History of Greek Art, text-book and lectures. *Two hours.*

5. Modern Greek. Rangabé's Handbook. Bikélas's Stories. Newspapers. *Two hours (spring term).*

6. Homer, rapid reading of the entire Odyssey. *Two hours.*

7. Greek Drama: Euripides, Alcestis; Sophocles, Antigone; Aeschylus, Prometheus Bound; Aristophanes, Clouds; Aristotle, Poetics. *Three hours.*

9. Demosthenes, three Philippics. *Two hours (spring term).*

10. Plato, Protagoras. *Two hours (fall term).*

14. The Acts of the Apostles. Translation, comparison of versions, and a study of New Testament grammar and diction. *Two hours (fall term).*

Courses 3, 4, 5, 6, 9, 10, and 14 are open to students who have taken courses 1 and 2.
For courses 8, 11, 12, see *Graduate Department.*
A certificate is granted to a student who has completed with credit courses 1, 2 and 3, and four hours of elective work.

LATIN.

GEORGE HOWE, PH.D., *Professor of the Latin Language and Literature.*
THOMAS JAMES WILSON, JR., PH.D., *Associate Professor of Latin.*

Professor HOWE and Associate Professor WILSON.

1. Cicero, De Senectute and De Amicitia; Livy, Book I.; Horace, the Odes and Epodes. *Four hours.*

Associate Professor WILSON.

2. Horace, the Satires and Epistles; Plautus, Captivi; Terence, Phormio; Tacitus, Agricola and Germania. *Three hours.*

3. Latin Prose Composition, based on Cicero and Livy. *One hour.*
Intended as supplementary to Latin 1. Open also to students who are taking Latin 1 or 2.

5. Pliny, selected Letters; Juvenal, Satires; Martial, selected Epigrams. Reading with especial reference to the private life of the Romans at the close of the first century A. D. *Two hours.*
To be omitted in 1904–1905.

6. Cicero. The philosophical works (De Officiis and Tusculan Disputations). The rhetorical works (Brutus and De Oratore). *Two hours.*

10. A course for teachers, embracing pronunciation, prosody, the art of reading Latin, and a classification of moods and tenses. *Two hours.*

Professor Howe.

4. Lucretius, De Rerum Natura; Seneca, moral essays. A comparative study of the Epicurean and Stoic schools of philosophy. *Two hours.*

7. Roman Private Life. Lectures and illustration by photographs and stereopticon. *Two hours (fall term).*

Open also to Sophomores who are taking Latin 2.

8. History of Roman Literature. Lectures. *Two hours (spring term).*

Elective under the same conditions as Latin 7.

9. Roman elegiac poets. A detailed study of the lives and rapid reading of selected elegies of Catullus, Tibullus, Propertius and Ovid. *Two hours.*

To be omitted in 1904–1905.

Courses 3, 4, 5, 6, 9, 10 are open to students who have taken Latin 1 and 2.
For courses 11, 12, see *Graduate Department.*
A certificate is granted to a student who has completed with credit courses 1 and 2 and five hours of elective work.

GERMANIC LANGUAGES AND LITERATURES.

Walter Dallam Toy, M.A., *Professor of the Germanic Languages and Literatures.*

Willie Calvin Rankin, *Assistant in German.*

German.

Professor Toy and Mr. Rankin.

1. Elementary Course. Grammar. Written exercises. Translation, sight reading, dictation. *Three hours.*

Professor Toy.

2. Advanced Course. Translation. Sight reading. Composition. Grammar. *Three hours.*

German Literature.

3. History of German Literature. Lectures. Collateral reading. Themes. *Three hours.*

Open only to those who have completed course 2 or its equivalent.

Germanic Philology.

4. Middle High German. *Three hours.*

Wright's Primer of Middle High German; Paul's Mittelhochdeutsche Grammatik. Bachmann's Mittelhochdeutsches Lesebuch.

5. Old High German. *Three hours.*

Wright's Primer of Old High German. Braune's Althochdeutsche Grammatik. Braune's Althochdeutsches Lesebuch.

To be omitted in 1904-05.

6. Gothic. *Three Hours.*

Wright's Primer of the Gothic Language. Braune's Gotische Grammatik. Heyne's Ulfilas. Introduction to Germanic Philology.

Courses 4, 5 and 6 are open only to those who have completed German 3. For further description of these courses, see *Graduate Department.*

A certificate is granted to students who have completed with credit courses 1, 2 and 3.

ROMANIC LANGUAGES AND LITERATURES.

James Dowden Bruner, Ph.D., *Associate Professor of the Romanic Languages and Literatures.*

William Jones Gordon, A.B., *Assistant in French.*

French.

Associate Professor Bruner and Mr. Gordon.

1. Elementary Course. Grammar. Pronunciation. Written exercises. Rapid reading of easy prose. Reading at sight. *Three hours.*

Associate Professor BRUNER.

2. The History of French Literature in the Nineteenth Century. Rapid reading of representative novels and dramas. Collateral reading. *Three hours.*

3. The History and Theory of French Tragedy. Rapid reading of the tragedies of Corneille, Racine, Voltaire and Victor Hugo. Constant reference, for purposes of comparison, to other great tragedies, both ancient and modern. Lectures and discussions. *Three hours.*

Open to those who have completed French 2 or its equivalent.

4. The History and Theory of French Comedy. Rapid reading of the comedies of Moliere, Reguard, Marivaux and Beaumarchais. Constant refereuce, for purposes of comparisou, to other great comedies, both ancient and modern. Lectures and discussions. *Three hours.*

Open to those who have completed course 2 or its equivalent.

5. Old French Language and Literature, with special reference to the French element in English. Rapid reading of old French texts. Lectures on the history of French sounds and inflections. *Two hours.*

Open only to those who have completed courses 2 and 3 or 4.
To be omitted in 1904–05.

For courses for graduates, see *Graduate Department.*
A certificate is granted to those who have completed with credit courses 1, 2 and 3 or 4 or 5.

Spanish.

Associate Professor BRUNER.

1. Elementary Course. Grammar. Pronunciation. Written exercises Rapid reading of prose. Reading at sight. *Three hours.*

Italian.

Associate Professor BRUNER.

1. Elementary Course. Grammar. Pronunciation. Reading of easy

prose. Reading and interpretation of Dante's Divine Comedy, partly in the original and partly in English. *Three hours.*

To be omitted in 1904–05.

ENGLISH.

THOMAS HUME, D.D., LL.D., *Professor of English Literature.*

CHARLES ALPHONSO SMITH, PH.D., *Professor of the English Language.*

EDWARD KIDDER GRAHAM, PH.B., *Associate Professor of the English Language.*

GEORGE MCFARLAND MCKIE, *Instructor in Expression and in English.*

WILLIAM STANLY BERNARD, A.B., *Instructor in English.*

English Language.

Messrs. MCKIE and BERNARD.

1. Rhetoric and composition. The elements of effective prose composition, with the preparation and criticism of themes. *Three hours.*

Pearson's *Principles of Composition.* Hill's *Principles of Rhetoric.*

Associate Professor GRAHAM.

2. (*a*) Advanced Composition. This course is supplementary to course 1. Expository and argumentative theme writing. *Three hours* (*fall term*).

Baldwin's *College Rhetoric*, and Specimens.

(*b*) A rapid survey of English Literature. *Three hours* (*spring term*).

Brooke's *English Literature* and George's *Chaucer to Arnold.*

Professor SMITH.

4. (*a*) Essays and (*b*) Orations. Lectures on the essay and oration as forms of discourse. Representative essays and orations read and analyzed. Construction of essays and orations. *Three hours.*

(*a*) Lobban's *English Essays*, Cody's *Selection from the Best English Essays.* (*b*) Ringwalt's *Modern American Oratory*, Frink's *New Century Speaker*, Swift's *Great Debate Between Hayne and Webster*, George's *Burke's Speeches on the American War*, George's *Select Speeches of Webster.*

6. Introductory Course in (*a*) Old English, (*b*) Middle English, and (*c*) English Philology. *Three hours.*

(*a*) Smith's *Old English Grammar and Exercise Book* (4th edition). (*b*) Mather's edition of *Chaucer's Prologue, Knight's Tale,* and *Nun's Priest's Tale,* Morris and Skeat's *Specimens of Early English* (Part II.). (*c*) Lectures on the beginnings of English Philology; Grimm's Law, Verner's Law, and the Law of Analogy.

14. Fifteenth Century English, Prose and Verse. *Two hours.*

Skeat's *Specimens of English Literature from A.D. 1394 to 1579* (first hundred pages), Mead's *Selections from Sir Thomas Malory's Morte d'Arthur,* Baldwin's *Inflections and Syntax of the Morte d'Arthur,* and Pollard's *Fifteenth Century Prose and Verse.* The lectures will discuss the place of the fifteenth century in literary history and the changes that the language underwent between Chaucer and Spenser.

Open to those who have taken course 6.

For courses 7 and 12, see *Graduate Department.*

English Literature.

Associate Professor GRAHAM.

3A. History and Development of English Literature. Required reading. Reports. *Two hours.*

Professor HUME.

3. Poetics. The forms of poetry discussed and representative works studied. *Two hours.*

5. Shakspere. *Two hours.*

9. The Rise and Progress of the Drama from the Miracle Plays to Shakspere. *Two hours.*

Open only to those who have taken English 5.

11. The Literary Study of the Bible. Critical survey of Job, the Psalms, Proverbs, Ecclesiastes, Isaiah. Influence of the Bible on literary development and form. *Two hours.*

13. The Development of Fiction from the Greek Romances to Scott. *Two hours.*

Professor SMITH.

15. A comparative study of Tennyson and Browning. *Two hours.*

A study of Browning's complete works, with Tennyson as parallel reading. Critical essays, with reports on sources and bibliography.

Courses 5, 9, 11, 13, 15 are open only to those who have taken English 3A or English 3.
For courses 8, 10, 16, see *Graduate Department.*
A certificate is granted to a student who has completed courses 1–6 and one additional elective course.

Expression.

Mr. MCKIE.

1. Declamation. Theory and practice. Voice culture and gesture. *Two hours.*

2. Theory of debate. Argumentation. Analysis of debates. Preparation of briefs. *Two hours.*

Open to those who have completed course 1.

PHILOSOPHY.

HENRY HORACE WILLIAMS, A.M., B.D., *Professor of Philosophy.*

1. Psychology. Lectures, with text-books. *Three hours.*

2. Logic. Lectures, with text-books. The study of logic in life. *Two hours.*

3. Ethics. Criticisms and discussions. *Two hours.*

4. Philosophy. Lectures. Theses. Study of the forces that shape life. *Three hours.*

For course 5, see *Graduate Department.*

HISTORY.

KEMP PLUMMER BATTLE, LL.D., *Alumni Professor of History.*
CHARLES LEE RAPER, PH.D., *Associate Professor of History.*
MARCUS CICERO STEPHENS NOBLE, *Professor of Pedagogy.*

Professor NOBLE.

1. American History. A general course. Text and source-book. *Three hours.*

Associate Professor RAPER.

2. Mediæval European History. A general course covering the period 400–1648. Text-books, readings and lectures. *Two hours.*
Given in alternate years. To be omitted in 1904–05.

3. English History. A general course. Text and source-books, supplemented by readings. *Three hours.*
Open also to Sophomores.

4. Modern European History. A general course covering the period 1648–1900. Text-books, readings and lectures. *Two hours.*
Given in alternate years. To be given 1904–05.

Professor BATTLE.

5. English Constitutional History. A general course, dealing exclusively with the constitutional and legal aspects. *Three hours.*
Open to those who have taken History 3.

6. North Carolina History. The political and constitutional development of the Colony and the State. Lectures. Theses on assigned topics required. *Two hours.*

7. Constitutional History. A general survey of the history and principles of the constitutions of the leading nations, ancient and modern. A special study of the Constitution of the United States, with the principal judicial decisions thereon. Also lectures on the leading principles of International Law. *Three hours.*

8. Bible History. Lectures each Sunday morning at the instance of the Young Men's Christian Association.
a) Old Testament Characters.
b) New Testament Characters.
Not counted for a degree.

9. Historical Seminary. Original research in the history of the United States and of North Carolina during the national and state period. Weekly reports required. *Two hours.*
Open to Seniors who have passed on at least eight hours in history.

Associate Professor RAPER.

10. English and American Colonial History. Lectures and research in the history of the English Colonies in North America. *Two hours.*

Open to Seniors who have passed on at least eight hours in history. Given in alternate years. To be omitted in 1904–05.

A certificate is granted upon the completion of courses 1, 5, 6, 7 and 9, or any thirteen hours.
For courses 11, 12, 13 and 14, see *Graduate Department.*

ECONOMICS AND FINANCE.

CHARLES LEE RAPER, PH.D., *Associate Professor of Economics.*

1. Economics. A general course. Marshall's Principles of Economics, supplemented by lectures and readings. *Two hours.*

2. Economics. (*a*) Finance. Adams' The Science of Finance, supplemented by lectures and readings. *Two hours* (*fall term*). (*b*) A Study in Tariff, Trusts, Railroad Transportation, Foreign Commerce and Labor Unions in the United States. Lectures and readings. *Two hours* (*spring term*).

Open to Seniors only.

3. Economics. The Economic History of England and the United States. Lectures, readings and reports. *Two hours.*

Open to Seniors only.
Given in alternate years. To be given in 1904–05.

4. Economics. Money and Banking. A general course. Scott's Money and Banking, Dunbar's Theory and History of Banking, supplemented by lectures and readings. *Two hours.*

Given in alternate years. To be omitted in 1904–05.

A certificate is granted upon completion of courses 1, 2, 3 and 4.
For courses for graduates, see *Graduate Department.*

MATHEMATICS.

WILLIAM CAIN, C.E., *Professor of Mathematics.*
ARCHIBALD HENDERSON, PH.D., *Associate Professor of Mathematics.*
MARVIN HENDRIX STACY, PH.B., *Instructor in Mathematics.*

Associate Professor HENDERSON and Mr. STACY.

1. Algebra, from Quadratics to Determinants (Wentworth's College Algebra). Geometry from Book IV. throngh Solid Geometry (Wells's Essentials). Plane Trigonometry and Logarithms (Ashton and Marsh). *Four hours.*

Professor CAIN.

2. Brief Course in Conic Sections (Ashton's Analytic Geometry). Elementary Course in Differential and Integral Calculus. *Three hours.*

The very elementary course in the Calculus is intended especially for students in the engineering courses.

Associate Professor HENDERSON.

3. Descriptive Geometry (Willson). Surveying (Raymond). *Three hours.*

Mr. STACY.

3A. Elementary Course in Theory of Equations (Barton). Elementary Course in Mechanics (Loney). *Three hours.*

Prerequisite: Mathematics 1.

Professor CAIN.

4. Differential and Integral Calculus (Gibson). *Three hours.*

Prerequisite: brief course in Conic Sections (fall term of Mathematics 2).
The needs of students in both pure and applied Mathematics are consulted here.

5. Burnside and Panton's Theory of Equations. *Three hours.*

Prerequisite: Mathematics 2.

Associate Professor HENDERSON.

6. Differential Equations (Murray). *Three hours.*

Prerequisite: Mathematics 4.

7. Analytic Mechanics (Bowser). Mechanics of Materials (Merriman). *Three hours.*

Prerequisite: Mathematics 4.

Professor CAIN.

8. Stresses in Bridges and Roof Trusses. Hydraulics (Merriman.) *Three hours.*

Prerequisite: Mathematics 7.

10. Graphical Statics. Theory of Arches. *Three hours.*
Prerequisite: Mathematics 8.

A certificate is granted to students who have completed, with high grade, courses 1, 2 and 5.
For courses 11, 12, 13, 14, 15, 16, see *Graduate Department.*

PHYSICS.

Joshua Walker Gore, C.E., *Professor of Physics.*
James Edward Latta, A.M., *Instructor in Physics.*
Fletcher Harrison Gregory, *Assistant in Physics.*

Mr. Latta.

Elementary Physics. Lectures with text-book. Weekly written reviews. *Three hours.*

A course for students who have not satisfied the entrance requirements in Physics, and for students in Medicine and Pharmacy.

Professor Gore.

1. General Physics. Lectures with text-book. Laboratory work. *Three hours.*
Preparation required: Mathematics 1.

2. Advanced Physics. Mechanics. Lectures, recitations and problem work. *Two hours (fall term).*
Preparation required: Physics 1 and Mathematics 2.

3. Advanced Physics. Heat and Light. Lectures, recitations and problem work. *Two hours (spring term).*
Preparation required: Physics 1 and Mathematics 2.

4. A general study of Electricity and Magnetism, with laboratory work. Direct current dynamos and motors, with testing and study of typical forms in the laboratory. *Three hours.*
Preparation required: Physics 1 and Mathematics 2.

5. Descriptive Astronomy. A general course. Lectures with text-book. Observations with telescope. *Two hours.*
Preparation required: Physics 1 and Mathematics 1.

Mr. LATTA.

6. Thermodynamics. *Three hours.*

This study is based on Edser's *Heat for Advanced Students*, Ewing's *Steam and Other Heat Engines* and Peabody's *Thermodynamics of the Steam Engine.*

Preparation required: Physics 1 and Mathematics 2.

7. Alternating Currents and Alternating Current Machinery. *Four hours.*

Text-books: Franklin and Williamson's *Alternating Currents* and Bedell and Crehore's *Alternating Currents.* Lectures and problem work Testing and study of alternating current machines in the laboratory.

Preparation required: Physics 1 and 4.

Professor GORE.

8. Primary and Secondary Batteries. Electric Lighting. *Two hours (fall term).*

Preparation required: Physics 1.

9. Electric Power Transmission. *Two hours (spring term).*

Preparation required: Physics 1, 4 and 7.

A certificate is granted to students who have completed courses 1, 2, 3, 4 and 5.
For courses for graduates, see *Graduate Department.*

CHEMISTRY.

CHARLES BASKERVILLE, PH.D., *Smith Professor of General and Analytical Chemistry.*

FRANCIS PRESTON VENABLE, PH.D., LL.D., *Professor of Theoretical Chemistry.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Physical Chemistry.*

WILLIAMS MCKIM MARRIOTT, *Assistant in Chemistry.*

LUTHER BYNUM LOCKHART, *Assistant in Chemistry.*

WILLIAM ASBURY WHITAKER, JR., *Assistant in Chemistry.*

WADE HAMPTON OLDHAM, *Assistant in Chemistry.*

Professor Baskerville, Dr. Davis and Mr. Marriott.

1. General Descriptive Chemistry. Lectures with laboratory work. A study of the elements and their compounds, including an introduction to organic Chemistry. *Three hours.*

Professor Baskerville and Mr. Lockhart.

2. Technical Chemistry.

(a) Metallurgy. Mining, treatment of ores, smelting, chlorination, fuel, building materials, etc. *Three hours (fall term).*

(b) Industrial and Agricultural Chemistry. Glass-making, acids, alkalies, phosphates, fertilizers, foods, clothing, hygiene, etc. *Three hours (spring term).*

Prerequisite: Chemistry 1.

Associate Professor Wheeler, Mr. Marriott and Mr. Oldham.

3. Qualitative Analysis. Laboratory work with lectures. *Two hours.*

May be taken with Chemistry 1.

Dr. Davis.

4. Quantitative Analysis and Assaying. Laboratory work, lectures and stoichiometric exercises. A grounding in analytical methods. *Three hours.*

Prerequisite: Chemistry 1 and 3.

Associate Professor Wheeler.

5. Organic Chemistry. Lectures. *Two hours.* Laboratory work. *One or three hours.*

One or two hours may be devoted to experimental work in some special group, as the cellulose, the terpene, the pyridine or the alkaloid.

May be taken with Chemistry 4. Prerequisite: Chemistry 1 and 3.

Professor Venable.

6. The Theories of Chemistry. Lectures. *Two hours.*

Prerequisite: Chemistry 1, 3, 4 and 5.

Dr. Davis.

7. Physical and Electro-Chemistry. Lectures and text-books, with laboratory work. Application of electricity to chemical processes. *Three hours.*

May be taken with Chemistry 8. Prerequisite: Chemistry 1–6 inclusive.

Professor BASKERVILLE.

8. Quantitative Analysis. Laboratory work. Gas analysis and extension of course 4 in technical lines. Bacteriological examination of water (with Professor Manning). Research. *Five hours.*

Prerequisite: Chemistry 1, 3 and 4.

The Journal Club meets Monday evening for one hour. Reviews of the chemical journals and reports on special topics required of students in courses 5, 6, 7, 8 and those open to graduates. At times this work alternates with readings and study of the biographies of prominent chemists.

The following arrangement of courses is suggested for those seeking a certificate in chemistry: Sophomore year, courses 1 and 3; Junior, 2, 4 and 5; Senior, 6 and 8. A thesis upon some research successfully carried out in the laboratory is also required.

For courses 11, 12, 14 and 15, see *Graduate Department.* For courses 9 and 10, see *Departments of Medicine and Pharmacy.*

BIOLOGY.

HENRY VAN PETERS WILSON, PH.D., *Professor of Biology.*

WILLIAM CHAMBERS COKER, PH.D., *Associate Professor of Botany.*

CLARENCE ALBERT SHORE, S.M., *Instructor in Biology.*

GREEN RAMSEY BERKELEY, A.B., *Assistant in Biology.*

Professor WILSON and Associate Professor COKER.

1. General Biology. Introductory course. Fundamental principles worked out on selected animal and plant types. Lectures with laboratory work. *Five hours.*

Professor WILSON and Mr. SHORE.

2. Mammalian Anatomy. Osteology and dissection of cat. Laboratory work. *Three hours (fall term).*

May be pursued simultaneously with Biology 1.

3. Vertebrate Histology. Microscopic structure of principal tissues and organs. Elements of microscopic technique. Lectures with laboratory work. *Three hours.*

May be pursued simultaneously with Biology 1.

Associate Professor COKER.

4. Botany. Structure and habits of selected cryptogams and flowering plants, with an introduction to vegetable physiology. Laboratory work. *Three hours.*

Professor WILSON.

5. Zoölogy. Comparative anatomy of the chief invertebrate and vertebrate classes. Introduction to systematic zoölogy of a class. Lectures with laboratory work. *Three hours.*

6. Vertebrate Embryology. Maturation, fertilization, segmentation and formation of germ layers in nematode, amphibian and teleost eggs. Development of the characteristic vertebrate organs in chick embryos. Lectures with laboratory work. *Three hours (spring term).*

For courses 7 and 8, see *Graduate Department.*

A certificate is granted to a student who has completed with credit courses 1–6 inclusive.

GEOLOGY AND MINERALOGY.

COLLIER COBB, A.M., *Professor of Geology and Mineralogy.*
WILLIAM WOOTEN EAGLES, *Assistant in Geology.*
GEORGE ST.CLAIR MALLETT MACNIDER, *Assistant in Geology.*

1. Elementary Geology. Lectures with field work; laboratory work on the common minerals and rocks. *Three hours.*

2. Mineralogy. Lectures with laboratory and field work. Crosby's Tables and Dana's Text-book of Mineralogy. *Two hours.*

3. General Critical Geology. Lectures with field work; laboratory work on rocks and fossils. Theses. *Three hours.*

4. Economic Geology. Lectures with laboratory and field work. Ore deposits, economic minerals, soils, water supply. *Three hours.*

5. Petrography. Lectures, laboratory work and theses. *Two hours.*

8. Origin and Nature of Soils. Field work, laboratory work and theses. *Three hours (spring term).*

For courses 6 and 7, see *Graduate Department.*
Advanced students are permitted to accompany the instructors in field work during the holidays and in the summer.
In addition to the above courses, short series of lectures are from time to time given to the students of geology by members of the North Carolina Geological Survey.
A Journal Club meets fortnightly for review and discussion of current geological literature.
A certificate is granted to a student who has completed with credit six courses and presented a thesis showing original research successfully carried out.

PEDAGOGY.

MARCUS CICERO STEPHENS NOBLE, *Professor of Pedagogy.*

1. The Science of Education. DeGarmo's Essentials of Method. The practical application of scientific principles to the teaching of elementary branches A brief study of modern educational problems. *Three hours (fall term).*

2. The Art of Teaching. McMurray's General Method. A careful study of the principles and methods involved in successfully teaching those studies usually taught in the best public and private primary schools. *Three hours (spring term).*

Preparation of model lessons according to pedagogical principles has a place in both courses.
Courses 1 and 2 are open only to those who intend to teach
Both courses must be taken, before either will be counted.

3. The Philosophy of Education. Science and Practice of Education, Herbart. Comparative study of the different systems of education in the several States of the Union. The development and arrangement of a High School course. *Three hours (fall term).*

4. The General History of Education. The development of educational ideals in the past. The effect of the pedagogical doctrines of the great educators of the past upon modern educational systems.

Seeley's History of Education. Monroe's Educational Ideal. *Three hours* (*spring term*).

5. The study of childhood in transforming modern methods of studying and teaching educational science. *Two hours* (*fall term*).

6. Herbartian Pedagogy. The attempt is made in this course to investigate the Herbartian movement in Germany and the United States. The works of Rein, Story, Ziller, Lange and others are studied. *Two hours* (*spring term*).

Pedagogical theses will be required in all courses.
For course 7 see *Graduate Department*.
A certificate is granted upon the completion of courses 1–6 inclusive.

THE GRADUATE DEPARTMENT.

COMMITTEE.

FRANCIS PRESTON VENABLE, PH.D., LL.D., PRESIDENT.
CHARLES ALPHONSO SMITH, PH.D., DEAN.
JOSHUA WALKER GORE, C.E.
EBEN ALEXANDER, PH D., LL.D.
WALTER DALLAM TOY, M.A.

ENLARGEMENT OF THE DEPARTMENT.

The development of the University has made it necessary to enlarge the scope of the graduate work and to give it greater prominence. The growth of the Faculty has rendered it possible to offer many additional courses, and these courses are now numerous and important enough to form a distinct department of the University. The principal subjects in which advanced instruction is now provided are these: Greek, Latin, Germanic Languages, Romanic Languages, Old English (Anglo-Saxon), Middle English, English Literature. Philosophy, History, Economics, Mathematics, Physics, Chemistry, Biology, Geology, and Pedagogy.

CANDIDATES FOR GRADUATE WORK.

Graduates of the University of North Carolina and of other universities and colleges of good standing are, on application to the President or Dean, ordinarily admitted to advanced courses of instruction, free of charge for tuition. There is, however, a registration fee of ten dollars. An applicant for admission, unless a graduate of the University of North Carolina, is required to present his diploma and a certificate of scholarship and char-

acter. If in any department the preliminary training of candidates has not been sufficient to qnalify them for strictly graduate work, they will be required to take such undergraduate courses as may be prescribed by the heads of the departments; but these courses will not be counted for hours in work leading to a graduate degree.

Students who are not graduates may, if they prove themselves qualified, take graduate courses; but no graduate degree will be given to a student who does not already hold a Bachelor's degree from some institution of approved standing.

All courses must be approved by the President or Dean.

DEGREES.

The University offers to graduate stndents advanced work leading to the degrees of Master of Arts (A.M) and Doctor of Philosophy (Ph.D.).

Master of Arts.

Candidates for the degree of Master of Arts may be either resident or non-resident, non-resident courses being given only to graduates of this University. The candidate in residence must complete satisfactorily one year of graduate work consisting of at least fifteen hours a week of recitations or lectures, eight hours of which must be taken from courses in the Graduate Department, the remaining seven from courses open only to Juniors and Seniors. The candidate shall select one major subject and two minor subjects. The course as a whole must have unity and must be pursued with definite aim.

A thesis based on the major subject of study and showing capacity for original research, must be submitted on or before May 1st of the given year, and must be filed in typewritten form on or before May 15th.

Candidates who have received the Bachelor's degree from the University of North Carolina may be recommended for the Master's degree after at least two years of study, as non-resident students, the requirements being in all other respects the same as for resident students; and they must satisfy the Faculty by examinations and theses that they are worthy of

recommendation for the degree. The work must be completed within the period of two years for which the registration is granted; otherwise a second registration fee must be paid at the expiration of two years. The fee for non-resident students is ten dollars.

Doctor of Philosophy.

A candidate for the degree of Doctor of Philosophy is required to pursue, in residence at the University, a prescribed course of advanced study and research in one major subject and two allied minor subjects. In general a term of three years is required, but the degree may be secured in two years in the case of exceptional preliminary training in the major subject.

These requirements of residence and study are, however, entirely secondary. The degree is conferred not simply for faithful study in a determinate field of work for a prescribed period, but because of a high attainment in a special branch of learning, which the candidate must have manifested not only by examination, but by a thesis which gives evidence of independent research, and contributes to knowledge. The candidate should choose his major subject in a department in which he has already pursued, for a considerable period, a systematic course of study. To receive this degree, a knowledge of French and German will be found indispensable in most instances. The thesis must be accepted before the candidate may be admitted to examination. The examinations are both written and oral. They demand a minute knowledge of a special field of work as well as a general acquaintance with the department of learning in which the candidate offers himself for the degree.

COURSES OF INSTRUCTION.

Greek.

Professor ALEXANDER.

7. Greek Drama: Euripides, Alcestis; Sophocles, Antigone; Aeschylus, Prometheus Bound; Aristophanes, Clouds; Aristotle, Poetics. *Three hours.*

8. Prose Composition, advanced course. *Two hours (fall term).*

11. Greek History: The selections from Greek Historians in parts I. and II. of Banmeister's *Quellenbuch zur Alten Geschichte. Two hours.*

12. Bucolic Poetry: The Idyls of Theocritus, Bion, and Moschus. *Two hours*

Latin.

Professor HOWE.

4. Lucretius, De Rerum Natura; Seneca, moral essays. A comparative study of the Epicurean and Stoic schools of philosophy. *Two hours.*

11. The study of a particular author or period in Roman literature. Practice in rapid reading, translating the more difficult passages only. *Two hours.*

Associate Professor WILSON.

6. Cicero. The philosophical works (De Officiis and Tusculan Disputations). The rhetorical works (Brutus and De Oratore). *Two hours.*

12. Lectures on comparative syntax of Greek and Latin; principles illustrated from Homer and Terence. *Two hours.*

Germanic Languages.

The courses offered are intended to lay a foundation for the philological study of the Germanic languages. They may also be taken with profit by students of English philology.

Candidates for the degree of Doctor of Philosophy who elect Germanic languages as their major subject, are required to take also courses in Old English (English 6 and 7). Such students are advised to begin with course 6 described below.

The plan of instruction is to present the forms of inflection characteristic of the period in question and then to proceed with the analysis and inter-

pretation of texts. After the mastery of the forms, the phonetic laws of the period are developed and later the relation of the dialect in question to other members of the Germanic group.

Professor TOY.

4. Middle High German. *Three hours.*

Wright's *Primer of Middle High German* with Paul's *Mittelhochdeutsche Grammatik* and Michel's *Mittelhochdeutsches Elementarbuch* for reference. Bachmann's *Mittelhochdeutsches Lesebuch.*

6. Gothic. *Three hours.*

Wright's *Primer of Gothic;* Braune's *Gotische Grammatik.* Heyne's *Ulfilas.*

English Language.

Candidates for the degree of Doctor of Philosophy who elect advanced work in the English language as their major subject will be expected to take one or more courses in Germanic philology (p. 49). Courses 7 and 12 can be taken only by those who have had German 1 or its equivalent.

Professor SMITH.

7. Advanced studies in (*a*) Old English and (*b*) Middle English. *Two hours.*

(*a*) Wyatt's or Heyne's *Beowulf,* Thomas Arnold's *Notes on Beowulf,* and the discussion of the Beowulf Saga in volume III. of the *Grundriss der Germanischen Philologie.* (*b*) Skeat's edition of Chaucer's *Minor Poems* and *Legend of Good Women,* Hempl's *Chaucer's Pronunciation,* Book IV. in volume II. of Ten Brink's *History of English Literature,* with select chapters from Lounsbury's *Studies of Chaucer* and Ten Brink's *Language and Metre of Chaucer.*

12. English Syntax. *Two hours.*

Problems in advanced English grammar will be studied historically. The course will consist chiefly of lectures. Sweet's *Syntax* (volume II. of his *New English Grammar*), Kellner's *Historical Outlines of English Syntax,* Einenkel's *Syntax* (in volume I. of the *Grundriss der Germanischen Philologie*), and recent theses on questions of syntax.

14. Fifteenth Century English, prose and verse. *Two hours.*

Skeat's *Specimens of English Literature from A.D. 1394 to 1579* (first hundred pages), Mead's *Selections from Sir Thomas Malory's Morte d'Arthur,* Baldwin's *Inflections and Syntax of the Morte d'Arthur,*

Browne's edition of *The Taill of Rauf Coilyear*, and Pollard's *Fifteenth Century Prose and Verse*.

The lectures will discuss the place of the fifteenth century in literature, the influence of the Scotch dialect, and the changes that English underwent between Chaucer and Spenser.

Among the philological journals accessible to graduate students of English may be mentioned *Anglia und Beiblatt*, *Englische Studien*, *Publications of the Modern Language Association of America*, *Modern Language Notes*, and *Grundriss der Germanischen Philologie*.

English Literature.

Professor HUME.

8. Poetry and Criticism. A study of the art of poetry in general and of the principles of criticism. *Two hours.*

9. The Rise and Progress of the Drama from the Mystery Plays to the seventeenth century. *Two hours.*

Ward's *Dramatic Literature*. Symonds' *Predecessors of Shakspere*. Schelling's *Chronicle Plays*. Manly's *Pre-Shaksperean Plays* and special editions.

10. Dramatic Seminary. The language, metrical forms, sources of plot and incident, construction of plays, comparative study of Shakspere and other dramatists. *Two hours.*

13. The Development of Fiction from the Greek romances to Scott. English Romanticism. *Two hours.*

Philosophy.

Professor WILLIAMS.

5. Epistemology. Lectures. Theses. A study of the Critical Philosophy. Lectures. First year: Prolegomena and Practical Reason and the works that prepared the way for Kant. Second year: *Kritik der reinen Vernunft*. *Three hours.*

History.

Professor BATTLE.

9. Historical Seminary. Original research in the history of the United

States and of North Carolina during the national and state period. *Two hours.*

11. The English Constitution. Research in the history of the formation and development of the Constitution of England. *Two hours.*

13. The American Constitution. Research in the history of the formation and development of the Constitution of the United States. *Two hours.*

14. American Politics. Research in the history and development of the political parties in the United States, and their struggles in Congress and before the people. *Two hours.*

Associate Professor RAPER.

12. The English Royal Province. Lectures and reports on the English Crown Colonies in North America. A special study of the Royal Provinces. *Two hours.*

Given in alternate years. To be given in 1904-05.

Economics.

Associate Professor RAPER.

3. Economics. The Economic history of England and the United States. Lectures, readings and reports. *Two hours.*

Given in alternate years. To be given in 1904-05.

Mathematics.

Professor CAIN.

14. Modern Analytic Geometry (Scott, Whitworth). *Two hours.*

15. Advanced Differential and Integral Calculus (Byerly, Edwards). Lectures. *Two hours.*

16. Quaternions (Hardy). *Two hours.*

Associate Professor HENDERSON.

12. Projective Geometry (Reye). *Two hours.*

13. Solid Analytic Geometry (Smith, Salmon, Frost). *Two hours.*

Physics.

Mr. Latta.

6. Thermodynamics. *Three hours.*

This study is based on Edser's *Heat for Advanced Students*, Ewing's *Steam and Other Heat Engines* and Peabody's *Thermodynamics of the Steam Engine.*

7. Alternating Currents and Alternating Current Machinery. *Four hours.*

Text-books: Franklin and Williamson's *Alternating Currents* and Bedell and Crehore's *Alternating Currents*. Lectures and Problem work. Testing and study of alternating current machines in the laboratory.

Professor Gore.

9. Electric Power Transmission. *Two hours (spring term).*

Chemistry.

Professor Baskerville.

11. Research in Inorganic and Analytical Chemistry. *Six hours.*

This course (with 12) is intended only for applicants for the degree of Doctor of Philosophy or properly equipped students who desire special training in advanced chemical research. It requires, in addition to the laboratory work, daily conferences with the professor and continual reference to the literature touching the matter under investigation. The work is usually assigned by the professor, but by special permit, the student may elect to work upon problems to which he wishes to give particular attention.

Associate Professor Wheeler.

12. This course offers research work in Organic Chemistry. *Six hours.*

Many lines of investigation are open in the cellulose field and other departments of Organic Chemistry. Investigations which have a bearing upon physiology may be undertaken, or the student may be guided in work of his own selection.

Professor Baskerville.

14. Lectures on Advanced Inorganic Chemistry. *Two hours.*

Lectures are given upon those portions of Inorganic Chemistry not usually dwelt upon in the regular courses. These are concerned with the rarer elements and the general principles involved in and leading up to the Periodic System. Through the generosity of the Welsbach Incandescent Lighting Company, the facilities for exhibition of the so-called rare earths possessed by the Department are excellent.

Associate Professor WHEELER.

15. Lectures and Seminary work in special chapters of Organic Chemistry. *Two hours.*

The *Journal Club* meets every other Monday evening for an hour. The current journals, American, English, German, and French, purely scientific and technical, are reviewed by the students and instructors. At stated periods special subjects are assigned and reported on at subsequent meetings. Attendance upon the meetings of the Club is required of all students taking the above courses.

Biology.

Professor WILSON.

5. Zoölogy. Comparative anatomy of the chief invertebrate classes. Introduction to systematic zoölogy of a class. Lectures with laboratory work. *Three hours.*

6. Vertebrate Embryology. Maturation, fertilization, segmentation and formation of germ layers in nematode, amphibian and teleost eggs. Development of the characteristic vertebrate organs in chick embryos. Lectures with laboratory work. *Three hours (spring term).*

7. Animal Morphology. Advanced zoölogical work, with detailed study of problems in comparative anatomy or embryology. Laboratory work with use of classical text-books and original memoirs. Theses. *Five hours or more.*

Associate Professor COKER.

8. Plant Morphology. Comparative anatomy of the principal plant groups. Lectures and laboratory work. *Five hours or more.*

Geology.

Professor COBB.

6. Advanced field work and special research in geology or geography. Problems assigned individually and work adapted to the professional needs of the student. *Three hours.*

7. Research course in historical geology. *Three hours.*

Pedagogy.

Professor NOBLE.

5. The study of childhood in transforming modern methods of studying and teaching educational science. *Two hours* (*fall term*).

6. Herbartian Pedagogy. The attempt is made in this course to investigate the Herbartian movement in Germany and the United States. The works of Rein, Story, Ziller, Lange and others are studied. *Two hours* (*spring term*).

7. American Education. A study of the development of public and private school systems in the United States. Research and lectures. *Two hours*.

MEDALS AND PRIZES.

THE HOLT MEDAL IN MATHEMATICS. (Established in 1874). A gold medal is offered by John Allen Holt and Martin H. Holt, the principals of Oak Ridge Institute, to that student who shall take the highest rank in Mathematics 4. No student will be recommended for the medal unless he attain to grade 2.

THE HUME MEDAL IN ENGLISH COMPOSITION. (Established in 1890). A gold medal is offered by Professor Thomas Hume to that member of the Senior Class who shall present the best essay or thesis on some distinctly literary subject.

THE MANGUM MEDAL IN ORATORY. The Misses Mangum, late of Orange county, established in 1878 a gold medal in memory of their father, Willie Person Mangum. This medal is continued by his granddaughters, Mrs. Julian A. Turner, Mrs. Stephen B. Weeks and Miss Preston Leach, and offered to that member of the Senior Class who shall deliver the best oration at Commencement.

THE BINGHAM PRIZE IN DEBATE. This prize is offered by R. W. Bingham, Esq., in memory of his great-grandfather, grand-father, father and brother. It is open to any student of the University and given annually for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held on Tuesday evening of Commencement week.

THE KERR PRIZE IN GEOLOGY AND MINERALOGY. (Established in 1889 by William H. Kerr in memory of his father, Professor Washington Caruthers Kerr). A prize of fifty dollars is offered to any undergraduate or graduate student, for the best thesis containing original work in the geology or mineralogy of North Carolina.

THE GREEK PRIZE. (Established in 1887). A prize of ten dollars is offered to that member of the Sophomore class who shall present the best rendering into English of selected passages of Greek not previously read.

The Worth Prize in Philosophy. (Established in 1883). Mr. Charles Williams Worth, in memory of his father, David Gaston Worth, of the Class of 1853, will print the best thesis submitted by a student in Philosophy 4.

The Early English Text Society Prize. A special prize is offered by the Early English Text Society, of London, for advanced work in Anglo-Saxon and Middle English.

The Bryan Prize. A prize will be given annually for the best thesis in Political Science. This prize was established by Mr. William Jennings Bryan in 1903.

The Library Prizes. In 1904 two prizes of the value of $10 and $5 respectively will be awarded to the two members of the class of 1905 who do the best work upon the Library General Reading Course.

The Hunter Lee Harris Memorial. (Established in 1903). Dr. Charles Wyche, of St. Louis, offers in memory of Hunter Lee Harris, of the class of 1893, a gold medal for the best original story by any student of the University.

The International Medal. This medal is offered by Hayne Davis, Esq., of the class of 1888, for the best essay in the following subject:—"The right relation of nations to each other under twentieth century conditions in the light of changes which have occurred throughout the world in the relation of political organisms, since the revolt of the American colonies."

PECUNIARY AID AND EXPENSES.

FELLOWSHIPS AND SCHOLARSHIPS.

THE HILL FELLOWSHIP. (Established in 1903, by John Sprunt Hill, Esq., of the class of 1889.) The holder shall devote himself to the study of North Carolina History, at this University; but the fellowship is open to students of all the institutions for higher education in the State. Appointments are made by the Professor of History at the University of North Carolina, Professor John S. Bassett, during his connection with Trinity College, and the Founder or his representative. The work of the holder shall be under the direction of the same advisory board.

This fellowship yields $200 annually.

THE CAMERON SCHOLARSHIPS. (Established in 1892). The heirs of Paul Carrington Cameron founded, in his memory, ten scholarships of the value of sixty dollars each.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES' SCHOLARSHIPS. (Established in 1893). The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of sixty dollars each, recipients of which shall give assistance in the Library.

THE MOORE SCHOLARSHIPS. (Established in 1881). Bartholomew Figures Moore, of Raleigh, bequeathed five thousand dollars, the interest of which shall be devoted to paying the tuition of students.

THE MARY ANN SMITH SCHOLARSHIPS. (Established in 1891). Miss Mary Ann Smith bequeathed thirty-seven thousand dollars for the foundation of scholarships, the number of scholarships to be determined by the amount of income.

THE MARY RUFFIN SMITH SCHOLARSHIPS. (Established in 1885). Miss Mary Ruffin Smith bequeathed to the University, in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham county,

of fourteen hundred and sixty acres, known as Jones' Grove. The will provides that "the rents of the land, or the interest of the purchase money, if sold, shall be nsed to pay the tuition of such poor students as the Faculty shall appoint."

THE SPEIGHT SCHOLARSHIPS. (Established in 1895). The late Mrs. Mary Shepherd Speight bequeathed ten thousand dollars to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of the professors.

THE WOOD SCHOLARSHIP. (Established in 1892). Mrs. Mary Sprunt Wood, of Wilmington, has founded in memory of her late hnsband, Dr. Thomas Fanning Wood, a scholarship of the value of sixty dollars.

THE WEIL SCHOLARSHIP. (Established in 1898). A fund, established by Henry Weil, Esq., of Goldsboro, furnishes one scholarship of the valne of sixty dollars.

THE ARMFIELD SCHOLARSHIP. (Established in 1901). This scholarship of sixty dollars is given by Eugene M. Armfield, Esq., of High Point.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of the Alumni. A scholarship will be awarded for each one thousand dollars given.

None of these scholarships are open to students in the professional departments of Law, Medicine and Pharmacy.

All applications for scholarships mnst be filed in the President's office on or before August 15, and mnst be in the regular form prescribed by the University. Blank forms are supplied on application to the Registrar.

FREE TUITION.

By an act of the Legislature in 1887, free tnition is given, in the College, to candidates for the ministry, to the sons of ministers, to young men under bodily infirmity, to teachers and young men preparing to teach. This enables the University to aid most effectively the public school teachers of the State.

LOAN FUNDS.

The Deems Fund. (Established in 1879.) A fund of six hundred dollars was established by Dr. Charles F. Deems, late pastor of the Church of the Strangers, New York City, formerly a Professor in the University, in memory of his son, Lieutenant Theodore Disosway Deems. In 1881 the fund was greatly enlarged through the munificence of Mr. William H. Vanderbilt, by a gift of ten thousand dollars, "as an addition to the Deems Fund, to be loaned to indigent students of the University."

Applications for loans will not be considered unless accompanied by testimonials from responsible persons as to poverty and merit. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest.

All applications for loans must be filed in the President's office on or before August 15.

EXPENSES.

Every effort is made to reduce to the lowest point the necessary expenses of an education at the University. The charges for each of the two terms are as follows:—

Tuition fee	$30.00
Registration fee	5.00
Medical and Infirmary fee	3.00
Gymnasium fee	1.25
Library fee	2.00
Total	$41.25

The library fee is one dollar a term for members of the Dialectic and Philanthropic Literary Societies. Students taking courses in the laboratories are charged a small fee for materials. Every student must keep on deposit with the Bursar two dollars as security for damages. Willful damage to University property is charged to the perpetrator, if known, otherwise it is assessed upon all students of the University. Any balance is returned to the student at the end of the year.

Good board is furnished at Commons for eight dollars a month. A few students earn their board at Commons by waiting on the tables. In private clubs board may be reduced to a minimum of six dollars a month. The entire annual expenses need not exceed three hundred dollars, and they may be reduced to two hundred dollars.

From a number of itemized reports handed in by students, the following averages have been made. These give total expenses, exclusive of clothes and traveling. The average was taken in three classes. The first includes those who pay no tuition and wait at Commons, thus having no board to pay. The minimum expense account given under this heading was $57.00, the average $63.60. Secondly, the average expenses of those who pay board but no tuition, was $144.61. Lastly, the average expenses of those who pay both board and tuition was $265.25, the maximum being $500.00.

It is confidently believed that no institution offers wider opportunities of self-help to meritorious students of slender means. The desire is that no worthy boy, however poor, shall ever be turned away for lack of means. To such the University and town offer unusual opportunities for support. Many students are now working their way through College by every form of honorable labor. A number are here as the result of money earned or borrowed. Fifty are aided by loans, and over four hundred have received aid from the University in loans and scholarships in the past twenty years. A few students are selected by the authorities as waiters at Commons. Otherwise all opportunities available in the University and town must be secured by the personal effort of the individual, or with the assistance of the Faculty Committee on Self-help. They are not assigned by the President.

DORMITORY ACCOMMODATIONS.

The University buildings contain one hundred and seventy-four double rooms, available for the accommodation of students; none are furnished; there is no charge for service in addition to the rent. All rooms are fitted with electric lights. For these a fee of 75 cents per month is charged. If the room has two occupants, the price is one half that sum for each. Room

rent ranges from 75 cents to $2.75 per month for each occupant, the price depending upon the location of the room.

All the buildings of the University are heated by hot water according to the most improved methods. In the dormitories the charge for heating will be one dollar per month for each room, or 50 cents for each occupant of a room.

REGULATIONS REGARDING STUDENTS.

REGISTRATION AND ASSIGNMENT OF ROOMS.

All students are expected to present themselves for registration on *Monday, Tuesday* or *Wednesday, September 5, 6* or *7, 1904*, and *Tuesday, Wednesday* or *Thursday, January 3, 4* or *5, 1905*, between the hours of 9 A. M. and 4 P. M , at the office of the Registrar.

A student who presents himself for registration after the dates and times named shall pay a fee of two dollars in addition to the regular fee.

Students desiring to retain their rooms in the College buildings must give formal notice to the Bursar before May 20th. Previous occupants of rooms, if not present to claim them at the times and places annually designated for the assignment of rooms, will forfeit their rights to such rooms.

According to the contract for rooms, it is provided that the occupants shall be responsible for all damages committed in or upon the room during their occupancy, as well as for damage committed by them upon any University property; and that any malicious or wanton damage or any malicious or wanton or repeated disturbance of College order shall be a forfeiture of all right to dwell in a College building. The President reserves also the right to require any student whom for any reason he considers an undesirable tenant to vacate a room in the College buildings.

The President may by official disapproval of any boarding-place in the village, require students to avoid such boarding-place.

STANDING.

Semi-annual reports of the standing of all students in all the studies of

the previous term are sent to parents or guardians, based upon the following scale of marking:—

Grade 1, 95–100 per cent.
Grade 2, 90–95 per cent.
Grade 3, 80–90 per cent.
Grade 4, 70–80 per cent.
Grade 5, 50–70 per cent.
Grade 6, below 50 per cent.

Students must attain a grade of at least 4 to pass in any study; those receiving grade 6 in any study must take such study over again with a class.

In addition to the semi-annual reports, there are sent out during the session six monthly reports in which the standing of students is indicated in a general way.

No student shall be allowed to take less than 15, nor more than 18 hours of class-room work per week without special permission of the Faculty or the President.

Students desiring to change their courses must make written application to the President for the desired change. The application will be considered by the President and the instructors in the departments concerned and will be granted only after a careful consideration of the facts in each case. No changes will be permitted after the first two weeks of the term except such as are granted after application to, and approval by the Faculty.

A student who at the close of the period of special examinations in September, is deficient by an amount equal to eight hours of class-room work for a year shall be ranked with the next lower class.

A student who has failed to pass all the examinations of the year in any College study may not take a higher class in that department, until he make good his deficiency.

ABSENCES.

In any term, absences are counted from the first regular meeting of each class. In no case will a student be considered present at any class unless he has been regularly registered as a member of that class. Students will

be subject to the discipline of the Faculty when the total unexcused absences in any month amount to five.

Any student whose absences from a class during any month amount to as much as 25 per cent. of the scheduled meetings of the class, is required to stand a special examination on that month's work, according to the schedule laid down below.

In the case of those whose absences in a given month amount to 25 per cent., or more, of the scheduled meetings of the class, and who fail to stand the examination provided for such absences, it is left to the discretion of the instructor to retain them in the class.

Students who are absent from a class during the months of December and May as much as 25 per cent. of the scheduled meetings of the class, must stand an examination for these months before being entitled to any grade on term examination. This special examination is to be held in connection with the regular term examination, or at some time during the examination period.

Students who are absent during any term as much as 33⅓ per cent. of the scheduled meetings of the class, except in case of prolonged sickness necessitating at least half of the absences, may at the discretion of the instructor be debarred from standing the term examination.

Schedule of Examinations to be Held Each Month for Excess of Absences.

First Saturday in New Month.

French and German, all classes and sections.	8:45 o'clock.
Greek,	9:45 "
Latin,	11:00 "
Biology,	12:00 "

Second Saturday in New Month.

Mathematics, all classes and sections,	8:45 "
Geology,	10:00 "
Chemistry,	11:00 "
Physics,	12:00 "

Third Saturday in New Month.

History and Economics, all classes and sections,	8:45 o'clock.
English,	9:45 "
Elementary Law,	11:00 "
Philosophy,	at night.

Attendance at Chapel is compulsory for all students in the University except for members of the professional departments and for such others as are specially excused. Absence from Chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission from the President or his representative. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS.

Each student, before being entitled to any grade upon an examination, is required to subscribe his name to the following pledge: "I hereby certify that during this examination I have neither given nor received aid."

Students who hand in papers at the regular examinations are considered to have relinquished any claim to special examinations for grades. Students who fail to attend regular examinations, or who fail to hand in papers, are regarded as handing in blank papers, unless they have been previously excused from the examinations

Excuses from examinations are granted only in case of absolute necessity. Such an excuse, to be valid, must be obtained from the President on or before the day of the examination, and communicated officially on that day to the instructor holding the examination.

A student wishing a special examination must deposit an application in the office of the Registrar at least one week before the beginning of the period of special examinations.

A student who has been excused from an examination or has received grade 5, may have opportunity to make good his deficiency, without taking the study over again at the following times:

(*a*) At the next succeeding regular examination period.

(*b*) At the period of special examinations in September preceding the regular work of the session.

(*c*) At the regular examination of the same class a year from the time when the deficiency was incurred.

(*d*) If the deficiency be in a Junior or Senior study, either at one of the above-mentioned times, or at a special examination to be held in each study at the time scheduled for the first monthly special examination in that study after the opening of the term in January of the Senior year.

A student having a deficiency in a Freshman study not made up by the close of the period of special examinations in September preceding his Junior year, and a student having a deficiency in a Sophomore study not made up by the close of the period of special examinations preceding his Senior year, shall be required to take such study over again with the class, or, in the case of an elective study, to take another one in its place.

The last opportunity to make up deficiencies occurring later than the beginning of the Junior year is at the special examination period mentioned above (in *d*), except that Seniors failing to pass an examination in May may have one special examination during the examination period in May.

Only those who have been excused from the regular examination may take another for a grade. All others take it merely to pass.

The order of examinations for the removal of conditions in September, 1904, will be:

Monday, September 5.

10 A. M.	Physics.	2:30 P. M.	Chemistry.

Tuesday, September 6.

10 A. M.	Greek.	2:30 P. M.	History and Economics.

Wednesday, September 7.

10 A. M.	English.	2:30 P. M.	Biology.

Thursday, September 8.

10 A. M.	German and French.	2:30 P. M.	Mathematics.

Friday, September 9.

10 A. M.	Latin.	2:30 P. M.	Geology.

Saturday, September 10.

10 A. M.	Philosophy.	2:30 P. M.	Pedagogy.

ATHLETIC AND OTHER ORGANIZATIONS.

No student will be allowed to take part in athletic contests, concerts, debates, etc., entailing absence from the University, whose parent or guardian objects to such participation.

A student who was in attendauce upon the Uuiversity duriug a previous term or session must have passed satisfactory examinatious upon at least six hours of work before he will be allowed to represent the University in an athletic coutest or iu auy other public capacity.

No student reported as deficient in a majority of his classes can participate in any athletic contest or otherwise publicly represent the University, until the deficiency is made good.

No team or club will be allowed to be absent from the University for more than five lecture days during the term.

The manager of each athletic team or musical club shall submit to the President a schedule of all engagements before positive arrangements are made.

No student shall be eligible for membership in an athletic team playing in iutercollegiate contests, uuless he has registered on or before October 12.

No student who has received, or is receiving now, or has been promised directly or indirectly any money or compensation in lieu of money for athletic services, shall be eligible as a player upon any athletic team representing the University, and each candidate for such position must sign a statement to the effect that he is not ineligible under this rule.

FRATERNITIES.

Academic studeuts may join fraternities after registration in their Sophomore year. Fraternity men are not allowed to pledge Freshmen to join fraternities.

GRADUATION.

Each Senior will be officially informed by the Registrar in September of all deficiencies standing againist him These deficiencies must be made up by the close of the special examination period in February.

Every member of the Senior Class is required to write a thesis, or an oration, for graduation. Those electing theses must announce their subjects by Feb. 1st to the Dean of the Faculty, who will report them to the Professors in the departments concerned. On May 2d the theses shall be read before the Professors, subject to criticism and correction. The corrected and approved theses must be handed to the Registrar in type-written form on or before May 15th.

The number of orations is limited to four. The candidates must be members of the academic department, and must announce their subjects to the Dean of the Faculty by Feb. 1st. The orations shall be delivered in private before a committee of the Faculty on May 1st, who shall decide the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

Candidates for more than one degree shall not offer the same elective in two courses, nor a required study in one course as an elective in another.

CERTIFICATES.

A certificate is granted to a student who has completed, in any department, all work required for a degree together with other elective work in the same department. (See under the several departments of instruction.)

CONDUCT.

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form, or to be guilty of dissolute conduct.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism, may be requested to leave the University.

SCHEDULE OF RECITATIONS.

	8:45	9:45	10:40	11:35	12:30	2:30
MON.	F Eng 1, I, II English 5 English 15 French 4 Geology 1 German 2 Greek 3 Greek 7 Latin 10 Math. 2, I Math. 5	G Economics 2 English 2, I English 7 English 13 French 3 Geology 4 Greek A Greek 9 Latin 2, II Latin 4, 9 Math 7 Philosophy 1 Phys., Elem.	C Biology 1 Chemistry 6 English 1, III English 4 French 1, III German 3 Greek 1, II Latin 1, I Latin 2, I Physics 1 Physics 7	D Chemistry 1 Econom. 3, 4 English 9 French 1, I German 5, 6 History 1, II History 5 Math. 1, IV Math. 3 Math. 9 Pedagogy 6	K English 3 English 3A Expression 2 Greek 1, I History 6 Latin 1, II Math. 1, III Pedagogy 5 Physics 5	Laboratory: Biology 2 Chem. 1, I Chemistry 4 Chemistry 8 Chemistry 9 Physics 1, I Physics 4
TUES.	A Chemistry 7 English 2, II English 14 Geology 3 German 1, I Greek 6 History 3 Latin 1, III Math. 1, I, II Math. 4 Pedagogy 3,4 Physics 6 Physics 9 Spanish 1	B Chemistry 2 English 1, IV English 6 English 16 French 1, II French 2 Geology 6 Greek 2 History 1, I Law, Elem. Math. 6, 8 Philosophy 4	C Biology 1 Chemistry 6 English 1, III French 1, III German 3 Greek 1, II History 2, 4 Latin 1, I Latin 2, I Physics 1 Physics 7	H Biology 3 English 11 Expression 1 Greek 5, 10 History 10 Latin 3 Latin 7, 8 Math. 1, IV Math. 14 Philosophy 3 Physics 4	E Biology 6 Chemistry 5 English 8 German 1, II Greek 1, I History 7 Latin 1, II Math. 1, III Math. 2, II Pedagogy 1,2 Philosophy 2	Laboratory: Biology 3 Biology 4 Chem. 1, II Chemistry 5 Chemistry 8 Geology 2 Physics 1, II
WED.	A Chemistry 9 English 2, II Geology 3 German 1, I History 3 Latin 1, III Math. 1, I, II Math. 4 Pedagogy 3,4 Physics 6 Spanish 1	G English 2, I English 7 English 13 French 3 Geology 4 Greek A Greek 9 Latin 2, II Latin 4, 9 Math. 7 Philosophy 1 Phys., Elem.	K English 3 English 3A Expression 2 Greek 1, II History 6 Latin 1, I Pedagogy 5 Physics 5	D Chemistry 1 Econom. 3, 4 English 12 French 1, I German 5, 6 Greek 4 History 1, II History 5 Latin 5, 6 Math 1, IV Math. 3 Math. 9 Pedagogy 6	F Economics 1 Eng 1, I, II English 5 English 15 French 4 Geology 1 German 2 Greek 7 Math. 2, I Math. 5 Physics 2, 3	Laboratory: Biology 3 Biology 4 Chem. 1, III Chemistry 3 Chemistry 4 Chemistry 8
THUR.	A Chemistry 7 English 2, II English 14 Geology 3 German 1, I Greek 6 History 3 Latin 1, III Math. 1, I, II Math. 4 Pedagogy 3,4 Physics 6 Physics 9 Spanish 1	B Chemistry 2 English 1, IV English 6 English 16 French 1, II French 2 Geology 6 Greek 2 History 1, I Law, Elem. Math. 6, 8 Philosophy 4	C Biology 1 English 1, III English 4 French 1, III German 3 Greek 1, II History 2, 4 Latin 1, I Latin 2, I Physics 1 Physics 7	G Economics 2 English 2, I French 3 Geology 4 Greek A Latin 2, II Math. 7 Philosophy 1 Phys., Elem.	E Chemistry 5 English 8 German 1, II Greek 1, I History 7 Latin 1, II Math. 1, III Math. 2, II Pedagogy 1,2	Laboratory: Biology 1, I Biology 2 Biology 6 Chem. 1, IV Chemistry 8 Chemistry 9 Geology 2
FRI.	H Biology 3 English 11 Expression 1 Greek 5, 10 History 10 Latin 1, III Latin 7, 8 Math. 1, I, II Math. 14 Philosophy 3 Physics 4	B Chemistry 2 English 1, IV English 6 French 1, II French 2 Geology 6 Greek 2 History 1. I Law, Elem. Math. 6, 8 Philosophy 4	F Economics 1 Eng. 1, I, II English 5 French 4 Geology 1 German 2 Greek 7 Latin 10 Math. 2, I Math. 5 Physics 2, 3	D Chemistry 1 English 9 English 12 French 1, I German 5, 6 Greek 4 History 1, II History 5 Latin 5, 6 Math. 1, IV Math. 3 Math. 9	E German 1, II Greek 1, I History 7 Latin 1, II Math. 1, III Math. 2, II Pedagogy 1,2 Philosophy 2	Laboratory: Biology 1, I Biology 2 Biology 6 Chem. 1, V Chemistry 3 Chemistry 4 Chemistry 8 Physics 7
SAT.	Biology 5 Chemistry 5 Chemistry 7 Geology 6	Biology 1, II Biology 5	Chemistry 5	Biology 1, II Biology 5		

SCHEDULE OF EXAMINATIONS, 1904-05.

First Day.	Second Day.	Third Day.	Fourth Day	Fifth Day.
Chemistry 7	Economics 1	Biology 6	English 3	Chemistry 1
Chemistry 9	English 1	Chemistry 5	English 3A	Economics 3, 4
English 2	English 5	English 8	Expression 2	English 9
Geology 3	English 15	German 1	History 6	English 12
German 1	French 4	Greek 1	Pedagogy 5	French 1
Greek 6	Geology 1	History 7	Physics 5	German 5, 6
History 3	German 2	Math. 1		Greek 4
Latin 1	Greek 7	Math. 2		History 1
Math. 1	Latin 10	Pedagogy 1, 2		History 5
Math. 4	Math. 2	Philosophy 2		Latin 5, 6
Pedagogy 3, 4	Math. 5			Math. 3
Physics 6				Math. 9
Physics 9				Pedagogy 6
Spanish 1				

Sixth Day.	Seventh Day	Eighth Day.	Ninth Day.	Tenth Day.
English 2	Chemistry 2	Biology 1	Economics 2	Biology 3
English 14	English 6	Chemistry 6	English 7	English 11
Greek 3	English 16	English 1	English 13	Expression 1
Latin 1	French 1	English 4	French 3	Greek 5, 10
Physics 2, 3	French 2	German 3	Geology 4	History 10
	Geology 6	Greek 1	Greek 9	Latin 3
	Greek 2	History 2, 4	Latin 2	Latin 7, 8
	History 1	Latin 2	Latin 4, 9	Math. 14
	Law, Elem.	Physics 1	Math. 7	Philosophy 3
	Math. 6, 8	Physics 7	Philosophy 1	Physics 4
	Philosophy 4		Physics, Elem.	

THE LAW DEPARTMENT.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., LL.D., PRESIDENT.

JAMES CAMERON MACRAE, LL.D., *Dean and Professor of Common and Statute Law and Equity.*

THOMAS RUFFIN, D.C.L., *Professor of Law and Equity.*

KEMP PLUMMER BATTLE, LL.D., *Professor of Constitutional History and International Law.*

CHARLES LEE RAPER, PH.D., *Associate Professor of Economics and of History.*

CHARLES STAPLES MANGUM, A.B., M.D., *Lecturer on Medico-Legal Jurisprudence.*

COURSES OF INSTRUCTION.

The Law Department provides three courses of study, each extending over a period of one College year, in addition to the elementary course named below. Instruction is given by means of lectures, text-books, the study of leading cases, and moot courts. Special lectures are given by resident instructors and by members of the bar upon subjects of interest to students.

Professors MACRAE and RUFFIN.

1. Elementary course in first principles and plain rules of business, contract and property law. Robinson's Elementary Law. Spencer's Commercial Law. *Three hours.*

   Elective for Juniors and Seniors in the College. This course affords a preliminary study for those intending to continue the study of law and also an opportunity to learn principles and forms applicable to commercial and other business life.

2. (*a*) Studies in the English Constitution (Creasey). First Blackstone (Ewell's Essentials). Manning's Commentaries. Domestic

Relations, including the law of Master and Servant, and the law of Negligence. Real Property Law: Second Blackstone and Williams; Code Chapters on cognate subjects; North Carolina Cases. Criminal Law: Fourth Blackstone; Clark on Criminal Law; Code Chapters on Crimes and Punishments and Criminal Procedure. *Five hours* (*fall term*).

(*b*) Cooley on Torts. Lawson on Bailments and Carriers. Clark on Contracts. The Commercial Instrument Law. The Law of Agency and Partnership. Forms and Conveyancing. *Five hours* (*spring term*).

3. (*a*) First Greenleaf on Evidence; Best on Evidence (Third Ewell); the Code Chapter on Evidence. Bispham's Eqnity; Equity Pleading and Practice. Third Blackstone; Code of Civil Procedure; Code Practice. *Five hours* (*fall term*).

(*b*) Clark on Corporations; the North Carolina Corporation Law and Cases. Schouler on Executors and Administrators; Code Chapters on Executors, Widows, Wills and Testaments; Descent and Distribution. The Law of Wills. The Constitutions of North Carolina and of the United States. The Code. *Five hours* (*spring term*).

4. (*a*) Dillon on Municipal Corporations. Richards on Insurance. Hughes on Admiralty. Hughes on Bankruptcy. *Five hours* (*fall term*).

(*b*) Cooley on Constitutional Limitations. Historical Jurisprudence. International Law. Lectures. Theses. *Five hours* (*spring term*).

Professor BATTLE.

5. Constitutional History and International Law. (History 7). A general survey of the history and principles of the constitutions of the leading nations, ancient and modern. A special study of the Constitution of the United States, with the principal judicial decisions thereon. Also lectures on the leading principles of International Law. *Three hours.*

Associate Professor RAPER.

6. Economics. (Economics 1). A general course. Marshall's Principles of Economics, supplemented by lectures and readings. *Two hours.*

7. Economics. (Economics 2). (*a*) Finance. Adams' The Science of Finance, supplemented by lectures and readings. *Two hours* (*fall term*). (*b*) A Study in Tariff, Trusts, Railroad Transportation, Foreign Commerce and Labor Unions in the United States. Lectures and readings. *Two hours* (*spring term*).

Professor MANGUM.

8. Medico-legal Jurisprudence. *One hour.*

CERTIFICATES.

A certificate is granted to students who pass with credit thorough written examinations on all subjects embraced in courses 2 and 3. Those who receive this certificate are considered prepared to appear before the Supreme Court for examination.

SPECIAL LECTURES.

From time to time during the term, lectures will be delivered before the school by eminent judges and lawyers.

THE DEGREE OF BACHELOR OF LAWS.

The degree of Bachelor of Laws (LL.B.) is conferred by the University upon candidates who have completed courses 2, 3, 4, 5, 6 and 7, and have passed all examinations. Two years of residence are ordinarily required of all students who desire to offer themselves as candidates for the degree. Every candidate must submit a thesis on some subject approved by the Dean of the Department. Applicants for the degree of Bachelor of Laws must be at least twenty years of age, and must have completed an academic course equivalent to that of the Freshman and Sophomore years in the College.

MOOT COURT.

The Moot Court is an important factor in legal educational methods; it

familiarizes the student with the practical side of law. It is the purpose of the University Court to acquaint the student with the legal details so necessary to be acquired, yet so difficult of access. Regular sessions are held every Saturday evening, and every student in the Law Department has frequent opportunities for practice. The work is thorough and is carried on from the inception of the suit to the final judgment in the Appellate Court.

Court of Appeals.

Judge,	Professor MacRae.

Superior Court.

Judge,	Professor Ruffin.
Solicitor,	David Pony Stern.
Clerk,	Harry Skinner, Jr.
Sheriff,	James Lester DeLaney.

EXPENSES PER TERM.

Tuition fee...	$37.50
Registration and Incidental fees...	10.00
Tuition fee for Elementary Course	5.00

Where full tuition, $37.50, is paid, there is no extra charge for the Elementary Course.

Good board is furnished at Commons Hall for $8 per month. The rent of unfurnished rooms in the dormitories ranges from seventy-five cents to $2.75 per month, for each occupant. For each room a charge of seventy-five cents per month is made for electric light and one dollar per month for heat.

ADMISSION AND REGISTRATION.

Candidates for admission into the Law School should present themselves on the same days and at the same hours with candidates for admission into

the College, either in September or in January. Candidates for admission and stndents already members of the school are expected to register according to the regulations on page 62. The session of the Law Department is of the same length as the College year. The members of the Law Department enjoy all the privileges extended to other students in the University.

SUMMER LAW SCHOOL.

During the summer two classes in law are conducted by the professors of this department. The text-books used are the same as those required in courses 2 and 3, prescribed by the Snpreme Court The summer session begins on the eighth day of June, 1904, and ends on the Friday before the last Monday in August. The fee for admission into either course is thirty dollars for tuition and three dollars for registration; for admission into both courses, fifty dollars for tuitiou aud three dollars for registration. The tuition is thirty dollars for both courses to students who have attended the regular session for two terms and to licensed attorneys desiring to review the principles of the Law.

All fees are payable in advance.

THE DEPARTMENT OF MEDICINE.

FACULTY AT CHAPEL HILL.

FRANCIS PRESTON VENABLE, PH.D., LL.D., PRESIDENT.

RICHARD HENRY WHITEHEAD, A.B., M.D., *Dean of the Department at Chapel Hill and Professor of Anatomy and Pathology.*

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Materia Medica and Demonstrator of Anatomy.*

ISAAC HALL MANNING, M.D., *Professor of Physiology and Bacteriology.*

JOSHUA WALKER GORE, C.E., *Professor of Physics.*

HENRY VAN PETERS WILSON, PH.D., *Professor of Biology.*

CHARLES BASKERVILLE, PH.D., *Professor of Chemistry.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

WILLIAM CHAMBERS COKER, PH.D., *Associate Professor of Botany.*

JAMES EDWARD LATTA, A.M., *Instructor in Physics.*

ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Chemistry.*

CLARENCE ALBERT SHORE, S.M., *Instructor in Biology.*

LEONE BURNS NEWELL, A.B., *Assistant in Anatomy and Pathology.*

JOHN BENSELL CRANMER, *Assistant in Anatomy.*

WILLIAMS McKIM MARRIOTT, *Assistant in Chemistry.*

WILLIAM ASBURY WHITAKER, JR., *Assistant in Chemistry.*

LUTHER BYNUM LOCKHART, *Assistant in Chemistry.*

WADE HAMPTON OLDHAM, *Assistant in Chemistry.*

GREEN RAMSEY BERKELEY, A.B., *Assistant in Biology.*

FACULTY AT RALEIGH.

HUBERT ASHLEY ROYSTER, A.B., M.D., *Dean of the Department of Raleigh and Professor of Gynecology.*

WISCONSIN ILLINOIS ROYSTER, M.D., *Professor of Medicine.*

AUGUSTUS WASHINGTON KNOX, M.D., *Professor of Surgery.*

RICHARD HENRY LEWIS, A.B., M.D., *Professor of Diseases of the Eye and of General Hygiene.*

KEMP PLUMMER BATTLE, JR., A.B., M.D., *Professor of Diseases of the Ear, Nose and Throat.*

HENRY McKEE TUCKER, M.D., *Professor of Obstetrics.*

ANDREW WATSON GOODWIN, M.D., *Professor of Diseases of the Skin, and of the Genito-urinary System.*

JAMES McKEE, M.D., *Clinical Professor of Mental and Nervous Diseases.*

JAMES WILLIAM McGEE, JR., M.D., *Lecturer on Therapeutics.*

ROBERT SHERWOOD McGEACHY, M.D., *Chief of Dispensary.*

WILLIAM DeBERNIERE MacNIDER, M.D., *Demonstrator of Clinical Pathology.*

MARSHALL CRAPON GUTHRIE, JR., *Assistant Demonstrator of Clinical Pathology.*

FOUNDATION.

Instruction in Medicine is given in two distinct schools, one situated at the seat of the University, Chapel Hill, and the other in the city of Raleigh.

The Department at Chapel Hill furnishes instruction in the fundamental branches of Medicine—those studies which constitute the scientific basis of medicine and surgery, and which compose the first two years of the medical curriculum. This Department was founded in 1890. In 1898 it was admitted to membership in the Association of American Medical Colleges; in 1901 it was incorporated as an integral part of the University on the same footing as the graduate and other professional departments.

Owing to the absence of clinical facilities at Chapel Hill, instruction in the third and fourth years of the medical curriculum is conducted by the Department at Raleigh. This Department was opened in the fall of 1902. It enjoys the hospital and other clinical advantages to be found in a city. Its course is limited to the curriculum of the third and fourth years.

THE DEPARTMENT AT CHAPEL HILL.

THE GENERAL PLAN OF INSTRUCTION.

The course of instruction provided by the Department at Chapel Hill extends over a period of two college years, and its successful completion entitles students to entrance into the third year of high-grade medical colleges.

In the arrangement of the courses of study the attempt is made to follow what would seem to be their natural sequence. In the *first year* the student devotes most of his time to anatomical and chemical studies. The studies of Gross and Microscopic Anatomy proceed side by side. In the spring, by which time the student has obtained sufficient knowledge of Chemistry and Anatomy, the study of Physiology is begun.

In the *second year* the study of Anatomy and Physiology is continued. The work in Chemistry is done in the laboratory and is devoted to Qualitative Analysis, Physiological Chemistry and Toxicology, and continues throughout the year. Pathology is taken up at the beginning of this year, and continued for nine months. Materia Medica is begun in the spring term, after the course in Physiology has been completed. In this year also the class practices exercises in Minor Surgery.

It is still necessary to continue courses in Physics and General Chemistry for the benefit of those students who have not had the advantage of adequate instruction in those subjects. Students who have had courses in Physics and General Chemistry should elect General Biology and Embryology during the first and second year respectively.

The Department possesses exceptional advantages for its work. It has an adequate corps of trained instructors and good laboratories for the various branches of study; the classes are small, so that the methods of instruction required by modern educational ideals are carried on with comparative ease, and each student has the opportunity of seeing the various demonstrations and experiments, receiving direct personal instruction; the students live in the environment of a University, and enjoy all the advantages it offers to young men; moreover, all the laboratories of the academic department as well as the courses in Physics, Chemistry and Biology are open to medical students.

The majority of the work in most of the branches is carried on in the laboratories. Lectures are not neglected and the value of good text-books is appreciated; but it is considered especially desirable that the student should be brought face to face with nature, so that he will not be satisfied with the mere acquisition of facts, but will have his powers of observation and judgment, so essential to the physician, stimulated and cultivated.

THE CURRICULUM.

The course is arranged in two sessions of nine months each, as follows:

First Year.

Physics. Two hours a week.

General Chemistry. Three lecture hours a week; two hours, laboratory.

Histology. Three hours a week.

Anatomy. Five hours a week until November; eight hours a week during November, December, January and February.

Physiology. Three hours a week during January and February; five hours a week during March, April and May.

Second Year.

Chemistry. Six laboratory hours a week.

Anatomy. Six hours a week until November; eight hours a week during November, December, January and February.

Bacteriology. Six hours a week, fall term.

Physiology. Three lecture hours and six laboratory hours a week, fall term

Pathology. Four hours a week during January and February; eight hours a week during March, April and May.

Materia Medica. Five hours a week, spring term.

Minor Surgery. Three hours a week for six weeks, fall term.

Chemistry.

Professor BASKERVILLE, Dr. DAVIS and Mr. MARRIOTT.

1. General Descriptive Chemistry. The elements are studied in a syste-

matic manner. The laws governing their combination, and the compounds resulting, are considered with appropriate reference to their occurrence and relationships to medicine. The latter part of the course is taken up with organic chemistry. *First year, three hours* (lectures) and *two hours*, laboratory.

Texts: Venable and Howe's *Inorganic Chemistry According to the Periodic Law*, and Remsen's *Organic Chemistry*, supplemented by lectures and quizzes.

Associate Professor WHEELER, Messrs. MARRIOTT and WHITAKER.

9. Qualitative Analysis and Toxicology. Laboratory work with lectures. The behavior of the elements and their compounds is studied in the laboratory. Practice is given in the analysis of known and unknown mixtures with especial reference to the detection of poisons and determination of the purity of drugs. *Second year (September to February), six hours.*

Text: Venable and Wheeler's *Qualitative Chemical Analysis* and the professor's notes.
This course supplements the lectures given by Professor Mangum on Toxicology.

10. Physiological Chemistry including Urinary Analysis. Lectures and laboratory work. The latter includes examination of bones, blood, gastric and intestinal juices, bile, milk, urine and foods. *Second year (February to June), six hours.*

Texts: Hallibnrton's *Chemical Physiology* and Jackson's *Laboratory Methods in Physiological Chemistry.*

Physics.

Professor GORE.

Elementary Physics. The fundamental facts of Physics are studied with some special attention to heat and electricity. Text-book, lectures and experiments. *Two hours.*

Biology.

In the biological courses some record of each day's work is kept by the student. This record consists chiefly of the sketches made directly from

the dissection or from preparations under the microscope. The importance of making a figure (even a poor one) of the object under study, cannot be overestimated as an aid to observation. In addition to the usual written examinations, practical examinations on the work done in the laboratory are held.

Professor WILSON.

1. General Biology.

Representative types of the great groups of organisms are dissected and studied microscopically. The forms range on the one side from the unicellular animals to the vertebrates, and on the other from the unicellular plants to the phanerogams. In the lectures the forms to be studied are briefly described, their relations are pointed out, and the principles which they illustrate are explained. The fundamental facts concerning living things are thus learned directly from nature in such a way as to develop the power of accurate observation, skill in handling instruments, and method in the recording of notes.

Elective in the first year. *Five hours.*
Text: Morgan.

3. Vertebrate Histology.

The principal tissues and organs of the vertebrate body are here studied according to the modern methods of microscopy. The individual student is instructed how to make, study and sketch microscopic preparations, including paraffin and celloidin sections, macerations, and mounts of fresh tissue.

Required *in first year. Three hours.*
Text: Stoehr.

6. Vertebrate Embryology.

The main facts in the development of a vertebrate animal are here worked out by the student for himself with the aid of explanatory lectures. A brief survey of the early stages of development, including maturation, fertilization, segmentation, and formation of the germ layers is first made upon lower forms (nematode, starfish, teleost, frog). The development of the typical vertebrate organs is then studied in chick embryos.

Elective in the second year. *Three hours (spring term).*
Texts: Foster and Balfour; Marshall.

Anatomy.

Professors WHITEHEAD and MANGUM, Messrs. NEWELL and CRANMER.

The method of instruction is one of dissection and demonstration rather than of lectures. In the first year the body is studied by

systems, first the bones, then the muscles, etc. The student does much of the dissecting for himself, but the more difficult dissections are made by the instructor. Frequent practical examinations are held, upon which stress is laid, in order to enforce proper study of the cadaver. In the second year the study proceeds by regions. The student does all the dissecting, but is still under the supervision of an instructor, who examines him upon the work done, and indicates the bearing of anatomical facts upon surgical operations. During this year there is a special laboratory study of the anatomy of the central nervous system.

The work of the first year is elective, counting *three hours*, to Seniors in the College.
Text: Gray or Morris; Whitehead's *Anatomy of the Brain*

Physiology.

Professor MANNING.

The study of physiology is begun in the spring term of the first year, during which the physiology of digestion, the digestive glands, blood, respiration, metabolism, excretion and animal heat is considered in lectures illustrated by experiments. The study is continued in the fall term of the second year by the consideration of the physiology of the muscles and of the nervous system. During this term also the student learns the methods of experimental physiology by means of class work in the laboratory. *Three hours (each term).*

The spring term work is elective to Seniors in the College.
Texts: *American Text-book*, Stewart or Kirke.

Materia Medica.

Professor MANGUM.

This course is devoted to the study of the origin and constitution of remedial measures, their preparation and doses, and in particular their physiological action and the indications for their rational use. Opportunity will be given to students to familiarize them-

selves with the more important crude drugs and their preparations. Instruction is given by means of lectures, recitations and demonstrations. The lectures which accompany the work in Toxicology are given as a part of the course in Materia Medica.

Text: Stevens, or Hare, or Willcox and White.

Pathology.

Professor MANNING and Mr. NEWELL.

1. Bacteriology. The student learns by practical experience the methods of cultivating, staining and identifying the principal bacteria, the pathological significance of which is explained by lectures and demonstrated by inoculation of animals. In this way the chief bacteria are studied in pure culture, after which the methods of obtaining pure cultures from mixtures of bacteria are learned. The necessary manipulations are all carried on by the student, who thus obtains a useful practical knowledge of the subject.

Text: Muir and Ritchie.

Professor WHITEHEAD and Mr. NEWELL.

2. Pathological Histology. In this course the various morbid processes which affect the tissues are discussed in lectures and studied with the microscope. The laboratory is well supplied with pathological material, and each student stains, mounts and studies a large number of sections extending over almost the whole range of pathology, upon which he is required to stand a practical examination.

Minor Surgery.

Professor MANGUM.

The class practises the application of bandages, and learns the modern methods of dressing wounds.

Text: Davis on Bandaging.

ENTRANCE REQUIREMENTS.

In accordance with the rules of the Association of American Medical Colleges, of which Association this school is a member, students desiring

to matriculate will be required, except under the circumstances noted hereafter, to pass the following entrance examinations:

1. In English, a composition on some subject of general interest, which must be written by the applicant at the time of examination, and must contain at least two hundred words.

2. In Arithmetic, such questions as will show a thorough knowledge of common and decimal fractions, compound numbers, ratio and proportion.

3. In Algebra, questions covering the fundamental operations, factoring, and simple quadratic equations.

4. In Latin, an examination upon such elementary work as the student may offer, showing a familiarity usually attained by one year of study.

In place of this examination or any part of it, the official certificates of high schools will be accepted.

Students who are unable to pass the above entrance examinations, may matriculate provided they are not deficient in more than one subject. The deficiencies must be made up before entering the second year. For such deficient students instruction will be provided without additional tuition fees.

PECUNIARY AID.

The Harris Prize. (Established in 1895). Mrs. T. W. Harris offers, in honor of the late Dr. T. W. Harris, a pocket case of instruments to that student who shall make the best grade in Anatomy.

The Wood Scholarship. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her husband, the late Dr. Thomas Fanning Wood, a scholarship of the value of ninety dollars.

EXPENSES.

The following are the charges per term payable at the beginning of each term in September and January respectively:

Tuition	$37.50.
Registration	$10.00.

In addition, first-year students pay a laboratory fee in histology of $5 per term; and in chemistry of $1.25 per term. Second-year students pay a laboratory fee in chemistry of $5 00 per term.

Good board is furnished at Commons Hall for $8 per month. The rent of unfurnished rooms in the dormitories ranges from seventy-five cents to $3.75 per month, for each occupant. For each room a charge of seventy-five cents per month is made for electric light and one dollar per month for heat.

ADMISSION AND REGISTRATION.

Candidates for admission and students already members of the school should present themselves to the President for registration on *Monday, Tuesday* or *Wednesday, September 5, 6* or *7, 1904*, and *Tuesday, Wednesday* or *Thursday January 3, 4* or *5, 1905.*

The session of the Medical School is of the same length as the college year, beginning September 5, 1904, and ending May 31st, 1905.

All members of the Medical School enjoy the same privileges accorded to other students in the University.

THE DEPARTMENT AT RALEIGH.

LOCATION AND FACILITIES.

The advantages afforded by the city of Raleigh for the advanced work of the University Medical Department are numerous. It is the most accessible of the State's larger cities and has already become one of its educational centres. Comprising, with the suburbs, a population of 25,000, it offers clinical facilities second to none in North Carolina. Two hospitals admit students of medicine for instruction. These hospitals are attended by the Faculty of the Medical Department and special care is given to individual teaching with the varied material found in them. Beside these hospitals, there are many available public institutions which furnish valuable privileges to students of the University.

THE CURRICULUM.

The course is arranged for two sessions of nine months each, known as the third and fourth years, as follows:

THIRD YEAR.

Medicine. Four hours a week.
Surgery. Four hours a week.
Obstetrics. Three hours a weeks.
Physical Daignosis. Three hours a week.
Hygiene. One hour a week.
Clinical Pathology. One hour a week.
Dispensary. Six hours a week.
Therapuetics. One hour a week.

FOURTH YEAR.

Medicine. Four hours a week.
Surgery. Four hours a week.
Gynecology. Two hours a weeks.
Pediatrics. Two hours a week.
Clinical Pathology. Three hours a week.
Diseases of the Eye. Two hours a week.
Diseases of the Ear, Nose and Throat. Two hours a week.
Diseases of the Skin and Genito-urinary System One hour a week.
Nervous and Mental Diseases. One hour a week (spring term).
Dispensary. Six hours a week.

These include the weekly clinics and ward classes, by means of which students receive thorough, individual, practical instruction.

Medicine.

Professor W. I. Royster.

This subject is taught by didatic lectures, ward classes and general

clinics. Cases are assigned to students and examinations are held upon their work. History-writing receives due attention.

In the third year are treated the Infectious Diseases, Diseases of the Blood and the Digestive System.

Individual instruction is given in the methods of physical diagnosis.

In the fourth year are studied the diseases of the Respiratory System, Heart and Kidneys and the General Diseases. There are weekly clinics and ward classes.

Texts: Osler, Tyson.

Surgery.

Professor KNOX.

In the third year are treated the principles of Surgery, Wounds, Minor Operations, and Bandaging. Ward classes and Dispensary work furnish ample demonstrations of the subjects described in the lectures.

The fourth year is devoted to the General Practice of Surgery and the Major Operations. A special course in Anaesthetics is given to each student. At all the clinics students will be able, by personal observation at short range, to witness every step of an operation and thus familiarize themselves with the details.

Text: Wyeth.

Obstetrics.

Professor TUCKER.

Lectures, recitations, and clinical experience. Fundamental obstetric principles receive the closest attention. A number of maternity cases are available for instructing students in the management of labor and the lying-in period.

Text: Hirst.

Gynecology.

Professor H. A. ROYSTER.

Lectures covering the entire field of diseases of women from the

simplest procedure to the more serious operations. Illustrative clinics are held weekly. In many cases students are allowed to assist in the operations. Practice in pelvic examinations is given constantly to each student, for the purpose of enabling him to make correct gynecological diagnoses. An abundance of material is always available.

Text: Penrose.

Therapeutics.

Dr. McGee.

The whole subject is thoroughly discussed by means of recitations and demonstrations, with constant drill on important drugs.

Text: Hare.

Diseases of the Eye.

Professor Lewis.

This course is conducted by means of lectures with clinics and dispensary classes, and furnishes what is absolutely essential for the general practitioner. Mastery of the principles is insisted upon. An abundance of illustrative material is presented in clinics and dispensary classes.

Text: May.

Diseases of the Ear, Nose and Throat.

Professor Battle.

Lectures and demonstrations with opportunities for investigating cases under direct supervision. A knowledge of these diseases is recognized as necessary for every physician. Particular care is devoted to personal demonstration.

Text: Bishop.

Diseases of Children.

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Lectures and bed-side demonstrations. Special emphasis is given to

the diagnosis and treatment of the infectious diseases aud to the care of infauts. A large number of dispensary cases are seen.

Text: Holt.

Clinical Pathology.

Dr. MacNider and Mr. Guthrie.

Great stress is laid upou the association of laboratory technique with cases actually under observation. Examinations of blood, urine, sputum, pus, tumors, etc., are made by the studeut with the assistance of the demonstrators. The equipment is excellent.

Text: Simou.

General Hygiene.

Professor Lewis.

The priuciples and laws of hygiene and sauitation and the most approved practical methods established by moderu science. A knowledge of hygieue aud sauitation is very uecessary for physiciaus in every community. Extraordinary opportunities will be given for investigating the workings of the State sanitary laws.

Text: Bergey.

Nervous and Mental Diseases.

Clinical Professor McKee.

Practical instruction is given in the principles of the subject from material furnished by one of the State's largest insane hospitals.

Diseases of the Skin and Genito-urinary System.

Professor Goodwin.

Iustruction is given by means of lectures, recitations and dispeusary work. Attention to correct diagnosis is insisted upon. Moderu methods are carefully studied.

Text: Stelwagon.

THE CITY FREE DISPENSARY.

Dr. McGeachy, *Physician in Chief.*

By special arrangement, the city of Raleigh has allowed the establishment of a Free Dispensary, to which all the outdoor city patients come for treatment. Thus every possible case is utilized as clinical material for students of medicine. Here will be found unusual privileges of personal observation. At certain times each student may conduct the dispensary work on his own account under the direction of the instructors.

DEGREE.

The degree of Doctor of Medicine will be conferred by the Board of Trustees upon students who are recommended for graduation by the Faculty. Candidates must have devoted at least four full years to the study of medicine and the fourth year, at least, must have been spent in this school, the other three in this or other recognized schools of medicine. Candidates must have passed satisfactory examinations in all subjects required for the degree.

EXPENSES.

The following are the charges per term, payable at the beginning of each term:—

Tuition.....$37.50

At graduation a charge of $5.00 is made for the diploma. Board may be obtained in the city at from $12.50 to $15.00 per month.

ADMISSION.

Students will be admitted to the Medical Department at Raleigh upon completion of the preparatory two years' course at Chapel Hill, or its

equivalent. Preliminary examinations will be required, if deemed necessary.

Students may be admitted to advanced standing who present evidence of having fulfilled the requirements of this Department with respect to preliminary education, and of having completed at accredited medical schools the courses required in the preceding years.

REGISTRATION.

Students should present themselves for registration on *Monday, Tuesday* or *Wednesday, September 5, 6* or *7, 1904*, and on *Tuesday, Wednesday* or *Thursday, January 3, 4* or *5, 1905*.

THE DEPARTMENT OF PHARMACY.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., LL.D., PRESIDENT.
EDWARD VERNON HOWELL, A.B., PH.G., *Dean and Professor of Pharmacy.*
JOSHUA WALKER GORE, C.E., *Professor of Physics.*
CHARLES BASKERVILLE, PH.D., *Professor of Chemistry.*
HENRY VAN PETERS WILSON, PH.D., *Professor of Biology.*
CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Materia Medica.*
ISAAC HALL MANNING, M.D., *Professor of Physiology.*
ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*
WILLIAM CHAMBERS COKER, PH D., *Associate Professor of Botany.*
JAMES EDWARD LATTA, A.M., *Instructor in Physics.*
CLARENCE ALBERT SHORE, S.M., *Instructor in Biology.*
ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Chemistry.*
JOHN BUNYAN LEGWIN, *Assistant in Pharmaceutical Laboratory.*
WILLIAMS MCKIM MARRIOTT, *Assistant in Chemistry.*
WILLIAM ASBURY WHITAKER, JR., *Assistant in Chemistry.*
LUTHER BYNUM LOCKHART, *Assistant in Chemistry.*
WADE HAMPTON OLDHAM, *Assistant in Chemistry.*
GREEN RAMSEY BERKELEY, A.B., *Assistant in Biology.*

FOUNDATION.

The Department of Pharmacy was established in 1897 and was opened for students in September of that year. Its location at the seat of the University assures to its students the most modern scientific instruction with

all the laboratory facilities of the academic department, as well as the courses of instruction in allied branches. These opportunities will meet the requirements of the large number of students who were compelled heretofore to obtain their pharmaceutical education in other States Briefly stated, the advantages are as follows:

1. Thorough, careful, *individual* instruction.

2. The practical experience derived from active work in the laboratories.

3. Intimate association with the other departments of the University, to all of which the student of pharmacy has access, and the daily contact with students pursuing various branches of learning.

4. The use of the large library and reading room and the well-equipped gymnasium.

5. The comparatively small cost at which a two-years' course may be obtained.

6. The length of the course which consists of two sessions of nine months each,—nearly a fourth longer than in many of the Colleges of Pharmacy.

The success of the students of this Department in their examinations before State Boards has been very gratifying. Students of this Department have been applicants before the State Boards of Maryland, Pennsylvania and North Carolina. None of the graduates of this Department applying for license before State Boards have failed to pass the examinations.

ARRANGEMENT OF COURSES.

The courses are arranged for two sessions of nine months each, and lead to the degree of Graduate of Pharmacy (PH.G.).

First Year.

Theory and Practice of Pharmacy, Practical Course in Operative Pharmacy, Elementary Physics, Descriptive Chemistry, Physiology (optional), Lectures in Pharmaceutical Botany,

Second Year.

Theory and Practice of Pharmacy, Practical Course in Operative Pharmacy, General Biology (optional), Materia Medica and Toxicology, Qualitative Analysis, Urinary Analysis.

COURSES OF INSTRUCTION.

Pharmacy.

Professor HOWELL.

1. Theory and Practice of Pharmacy. First year. *Five hours.*

   This course consists of lectures upon the following subjects, with practical demonstration and the employment of proper apparatus whenever necessary:

   Metrology, comminution, heat, evaporation, distillation, sublimation

   Fusion, calcination, granulation, oxidation, reduction, etc.

   Solution of solids, liquids and gases; deliquescence, efflorescence, etc.

   Colation, filtration, decolorization, clarification, precipitation, etc.

   Maceration, expression, infusion, decoction, etc.

   Percolation, and the preparation and study of the following: waters, syrups, honeys, glycerites, mucilages, mixtures, spirits, elixirs, liniments, collodions, tinctures, wines, vinegars and fluid extracts.

   Text: Remington, *Theory and Practice of Pharmacy.*

2. Theory and Practice of Pharmacy. Second Year. *Five hours.*

   The official forms and preparations of drugs are taken up in detail. Beginning with the inorganic compounds, the salts are considered with regard to their commercial qualities and pharmaceutical uses and preparations. The organic compounds are studied, commencing with the salts of the organic acids and passing to the natural and organic compounds.

3. Lectures on Pharmaceutical Botany. *Two hours (spring term).*

   This course is preparatory to the study of Materia Medica, and takes up the study of the flower, the various topics of fruits, seeds, etc., and a careful study of the descriptive terms as applied to leaves, stems and roots. Instruction is given in the gathering and proper mounting of specimens of the various official herbs that grow in this vicinity.

Materia Medica and Toxicology.

Professor HOWELL.

1. Materia Medica. Lectnres on the geographical and botanical sources of drugs; descriptions and uses of the same, together with their official preparations and doses. *Three hours (fall term).*

Opportunity is given to the stndent to familiarize himself with most of the crude drngs and their preparations.

Text: White and Wilcox.

Professor MANGUM.

2. Materia Medica. This conrse is devoted to the stndy of the origin and constitution of remedial measures, their preparations and doses; and in particnlar, their physiological action and the indications for their rational use. Opportunity will be given to students to familiarize themselves with the more important crnde drngs and their preparations. Instrnction is given by means of lectnres, recitations and demonstrations. The lectures intended to accompany the work in Toxicology are given as a part of the course in Materia Medica.

Physics.

Professor GORE.

Elementary Physics. The fnndamental facts of Physics are stndied with some special attention to heat and electricity. Text-book, lectnres and experiments. *Two hours.*

Chemistry.

Professor BASKERVILLE, Dr. DAVIS and Mr MARRIOTT.

1. General Descriptive Chemistry. The elements are stndied in a systematic manner. The laws governing their combination, and the compounds resulting, are considered with appropriate reference to their occurrence and relationships to medicine. The latter part of

the course is taken up with organic chemistry. *First year, three hours*, lectures, and *two hours*, laboratory.

Texts: Venable and Howe's *Inorganic Chemistry According to the Periodic Law*, and Remsen's *Organic Chemistry*, supplemented by lectures and quizzes.

Associate Professor WHEELER, Messrs. MARRIOTT and WHITAKER.

9. Qualitative Analysis and Toxicology. Laboratory work with lectnres. The behavior of the elements and their compounds is studied in the laboratory. Practice is given in the analysis of known and unknown mixtures with especial reference to the detection of poisons and determination of the purity of drugs. *Second year (September to February), six hours.*

Text: Venable and Wheeler's *Qualitative Chemical Analysis* and the professor's notes.

This course supplements the lectures given by Professor Maugum on Toxicology.

10. Physiological Chemistry including Urinary Analysis. Lectures and laboratory work. The latter includes examination of bones, blood, gastric and intestinal juices, bile, milk, urine and foods. *Second year (February to June), six hours.*

Texts: Halliburton's *Chemical Physiology* and Jackson's *Laboratory Methods in Physiological Chemistry.*

The following courses are not required of students in Pharmacy but may be elected profitably:

Physiology.

Professor MANNING.

The study of physiology is begun in the spring term of the first year, during which the physiology of digestion, the digestive glands, blood, respiration, metabolism, excretion and animal heat is considered in lectures illustrated by experiments. The study is continued in the fall term of the second year by the consideration of the physiology of the muscles and of the nervous system. During this term also the student learns the methods of ex-

perimental physiology by means of class work in the laboratory. *Three hours (each term).*

Texts: *American Text-book*, Stewart or Kirke.

Biology.

Professor WILSON.

1. General Biology. *Five hours.*

Representative types of the great groups of organisms are dissected and studied microscopically. The forms range on the one side from the unicellular animals to the vertebrates, and on the other from the unicellular plants to the phanerogams. In the lectures the forms to be studied are briefly described, the relations are pointed out, and the principles which they illustrate are explained. The fundamental facts concerning living things are thus learned directly from nature in such a way as to develop the power of accurate observation, skill in handling instruments, and method in the recording of notes.

Text: Morgan.

Botany.

Associate Professor COKER.

9. General introduction to Systematic Botany, with special attention to medical plants. Laboratory and field work with recitations. *Three hours a week (spring term).*

Open to students of Pharmacy only.

Prescription Filling.

Professor HOWELL.

In order that students may gain experience in prescription filling, a course in the practical every day work of a drug store and in selling poisons and filling prescriptions is given. The prescriptions selected are those that will give the largest amount of practical experience. For this course a fee of ten dollars is required, to cover the cost of ingredients, bottles, labels, etc.

OPTIONAL COURSES.

The following optional courses may be taken on the payment of a small laboratory fee to cover cost of materials, etc.

Industrial Chemistry. Lectures. The application of chemistry to the arts and industries. *Three hours.*

This course includes metallurgy, glass making, pottery, (*fall term*); food, clothing, building materials, explosives, photography, etc., (*spring term.*)

Agricultural Chemistry. Lectures. *Three hours a week* (*spring term*).

This course includes the chemistry of the plant and the soil and the discussion of plant food, etc. Many specimens have been collected in the Industrial Museum to illustrate this course and the preceding one.

Quantitative Analysis and Assaying. Laboratory work. *Three hours.*

This course is intended to give the student a thorough grounding in analytical methods and manipulations.

Quantitative Analysis. Laboratory work. *Five hours.*

The student in this course is led further into the study and practice of analytical methods The work may take any special direction desired by him, fitting him to be an agricultural chemist, iron chemist, manufacturing chemist, physician, druggist or teacher of chemistry. Encouragement is given to the student to make original researches.

Determinative Mineralogy. Lectures with laboratory work. Dana's Text-book of Mineralogy. *Two hours.*

Bacteriology. *Six hours* (*fall term*).

The student learns by practical experience the methods of cultivating, staining and identifying the principal bacteria, and their pathological significance is explained by lectures and demonstrations by inoculation of animals. In this way the chief pathogenic bacteria are studied in pure culture on the various media, after which the methods of obtaining pure culture from mixtures of bacteria are learned. The necessary manipulations are carried out by the students, who thus obtain a practical knowledge of the subject which can be gained in no other way.

Students in Pharmacy have also the privilege of attending any of the regular academic courses.

EXAMINATIONS.

Final examinations are held at the end of each term on the subjects embraced in the course.

An average of 70 per cent. on the intermediate and final examinations is required to pass in the various branches.

QUIZZES.

Quizzes upon the different branches are regularly held. Specimen quizzes upon Materia Medica, Chemistry and Pharmacy are held once a week, and consist in the recognition and correct writing of the official name of the specimen presented.

Students are required to make an average of 70 per cent. on the examinations given on specimens at the close of each term.

THE PHARMACEUTICAL LABORATORY.

Officers.

Edward Vernon Howell, A.B., Ph.G., Director and *Professor of Pharmacy.*

John Bunyan LeGwin, *Assistant in the Pharmaceutical Laboratory.*

The rooms of the Pharmaceutical Laboratory are admirably adapted to this purpose. They are conveniently situated on the first floor, are well lighted and well equipped with water, electric lights and gas. To each student is assigned a desk, provided with lock and key and containing all the apparatus necessary for the every day work of a pharmacist. In the store room is kept a supply of materials for practical work, as well as the apparatus for the more complex operations. Ample space is provided for work at the prescription counter, where practical instruction in the compounding and dispensing of prescriptions is given.

A small deposit fee is required to cover the cost of breakage of apparatus.

At the end of the session this fee will be returned, less the amount of breakage.

OTHER LABORATORIES.

The laboratories of Physics, Chemistry and Biology are open to students in Pharmacy. These laboratories are all equipped with the most improved apparatus for experimentation and illustration of lectures.

READING ROOM AND LIBRARY.

The Pharmaceutical Department is provided with a well selected library and with a reading room, inaugurated by the class of 1897, in which are filed a large number of medical and pharmaceutical jonrnals.

In addition to these advantages, students of this department enjoy the privileges of the University reading room, in which are filed all the leading newspapers and magazines, and free access to the University Library, which numbers forty-two thousand volumes and twenty thousand pamphlets.

REQUIREMENTS FOR GRADUATION.

Every person npon whom the degree of Gradnate in Pharmacy of this University shall be conferred, must have completed the work of both years in the Department of Pharmacy of this University, or one course (that of the second year) here after one in some recognized college of Pharmacy. He must obtain satisfactory marking in attendance and make a general average of 70 per cent. in the various branches, and submit a satisfactory thesis.

He mnst also have had a practical experience of at least four years with some qualified pharmacist or pharmacists in a dispensing store. Satisfactory evidence on this point must be submitted to the head of the Department.

Students who have not had the full four years' experience will be per-

mitted to stand examinations for graduation; but their diplomas will be withheld until they shall have satisfied this requirement.

No person will be entitled to a diploma until his dues to the University have been paid.

THESES.

The thesis must be an original essay embodying the results of the student's personal research in some branch of pharmacy, which he has prosecuted under the direction of the professor who has assigned him the subject. The thesis will be published at the discretion of the professor. The thesis, together with certificate of time of practical experience, must be deposited with the Registrar on or before May 1.

PRIZES.

The Bradham Prize, offered by Mr. C. D. Bradham, of Newbern, N. C., will be given to the student making the highest general average during the two years of study.

The Gilpin Langdon Prize, offered by Messrs. Gilpin Langdon & Co., of Baltimore, Md., will be given to the student making the best line of preparations in the pharmaceutical laboratory.

Prizes will also be given:

1. For the best thesis.
2. For the best collection of native medicinal herbs.
3. For the best exhibit of chemical salts made by a second year student.
4. For the best work in the recognition of materia medica specimens.
5. To the student recognizing the largest number of pharmaceutical preparations.

EXPENSES.

The charges of each term are payable at the beginning of the term. They are as follows:

Tuition	$30.00
Registration and incidental fees	10.00

For Chemistry 1 there is a fee of $1.25; for Chemistry 9 and 10, a fee of $5.00. In the Prescription Course there is a fee of $10.00.

The students of Pharmacy are entitled to the use of the gymnasium, the library and reading room and, in case of sickness, to medical attention and the use of the infirmary.

Good board is furnished at Commons Hall for $8.00 per month. The rent of unfurnished rooms ranges from 75 cents to $2.75 per month. For each room is made a charge of 75 cents per month for electric light and one dollar per month for heating.

ADMISSION AND REGISTRATION.

Candidates for admission into the Department of Pharmacy should present themselves on the same days and at the same hours with candidates for admission into the College. For the next academic year, these days will be *Monday*, *Tuesday* or *Wednesday*, *September 5*, *6* or *7*, *1904*, and *Tuesday*, *Wednesday* or *Thursday*, *January 3*, *4* or *5*, *1905* The session of the Department of Pharmacy is of the same length as the College year beginning *September 5*, *1904*, and ending *May 31*, *1905*.

The members of the Department of Pharmacy enjoy all the privileges extended to other students in the University.

THE SCHOOL OF MINING.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., LL.D., PRESIDENT.
JOSHUA WALKER GORE, C.E., *Dean and Professor of Physics.*
JOSEPH AUSTIN HOLMES, S.B., *State Geologist and Lecturer on Economic Geology and Mining.*
JOSEPH HYDE PRATT, PH.D., *Lecturer on Ore Deposits.*
WILLIAM CAIN, A.M., *Professor of Mathematics and Civil Engineering.*
COLLIER COBB, A.M., *Professor of Geology and Mineralogy.*
CHARLES BASKERVILLE, PH.D., *Professor of Chemistry and Metallurgy.*
ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Chemistry.*
ARCHIBALD HENDERSON, PH.D., *Associate Professor of Mathematics and Mechanics.*
JAMES EDWARD LATTA, A.M., *Instructor in Physics and Electrical Engineering.*
MARVIN HENDRIX STACY, PH.B., *Instructor in Mathematics and Surveying.*
ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Chemistry and Assaying.*
WILLIAMS McKIM MARRIOTT, *Assistant in Chemistry.*
LUTHER BYNUM LOCKHART, *Assistant in Chemistry.*
WILLIAM ASBURY WHITAKER, JR., *Assistant in Chemistry.*
WADE HAMPTON OLDHAM, *Assistant in Chemistry.*
WILLIAM WOOTEN EAGLES, *Assistant in Geology.*
GEORGE ST.CLAIR MALLETT MACNIDER, *Assistant in Geology.*

COURSES OF INSTRUCTION.

Mathematics.

Associate Professor HENDERSON and Mr. STACY.

1. Algebra, from Quadratics to Determinants (Wentworth's College Al-

, gebra). Geometry, from Book IV through Solid Geometry (Wells' Essentials). Plane Trigonometry and Logarithms (Ashton and Marsh). *Four hours.*

Professor CAIN.

2. Brief Course in Conic Sections (Ashton's Analytic Geometry). Elementary Course in Differential and Integral Calculus. *Three hours.*

Associate Professor HENDERSON.

3. Descriptive Geometry (Willson). Surveying (Raymond). Practice in Drawing. *Three hours.*

Preparation required: Mathematics 4.

Professor CAIN.

7. Analytic Mechanics (Bowser). Mechanics of Materials (Merriman). *Three hours.*

8. Stresses in Bridge and Roof Trusses. Hydraulics (Merriman). *Three hours.*

Preparation required: Mathematics 7.

(See page 37).

Physics.

Professor GORE.

1. General Physics. Lectures with text-book. Laboratory work. *Three hours.*

Preparation required: Mathematics 1.

2. Advanced Physics. Mechanics. Lectures, recitations and problem work. *Two hours (fall term).*

Preparation required: Physics 1 and Mathematics 2.

4. A general study of Electricity and Magnetism, with laboratory work. Direct current dynamos and motors, with testing and study of typical forms in the laboratory. *Three hours.*

Preparation required: Physics 1 and Mathematics 2.

Mr. LATTA.

6. Thermodynamics. *Three hours.*

This study is based on Edser's *Heat for Advanced Students*, Ewing's

Steam and Other Heat Engines, and Peabody's *Thermodynamics of the Steam Engine.*

Preparation required: Physics 1 and Mathematics 2.

7. Alternating Currents and Alternating Current Machinery. *Four hours.*

Text-books: Franklin and Williamson's *Alternating Currents* and Bedell and Crehore's *Alternating Currents.* Lectures and problem work. Testing and study of alternating current machines in the laboratory.

Preparation required: Physics 1 and 4.

Professor GORE.

8. Primary and Secondary Batteries. Electric Lighting., *Two hours (full term.)*

Preparation required: Physics 1.

9. Electric Power Transmission. *Two hours (spring term).*

Preparation required: Physics 1, 4, and 7.

(See pages 38 and 39).

Chemistry, Metallurgy, and Assaying.

Professor BASKERVILLE, Dr. DAVIS and Mr. MARRIOTT.

1. General Descriptive Chemistry. Lectures, with laboratory work. A study of the elements and their compounds, including an introduction to organic chemistry. Laboratory work required. *Three hours.*

2. Technical Chemistry. Metallurgy. Mining, treatment of ores, smelting, chlorination, fuel, building materials, etc. *Three hours.*

Associate Professor WHEELER, Messrs. MARRIOTT and OLDHAM.

3. Qualitative Analysis. Laboratory work with lectures. *Two hours.*

Dr. DAVIS.

4. Quantitative Analysis and Assaying. Laboratory work, lectures and stoichiometric exercises. A grounding in analytic methods. *Three hours.*

Professor Baskerville.

8. Quantitative Analysis, with special reference to the analysis of iron, steel, coal, coke, slags, fuel, furnace gases, etc. *Five times.*

(See pages 40 and 41).

Geology.

Professor Cobb.

1. Elementary Geology. Lectures with field work; laboratory work on the common minerals and rocks. *Three hours.*

2. Mineralogy. Lectures with laboratory and field work. Crosby's Tables and Dana's Text-book of Mineralogy. *Two hours.*

3. General Critical Geology. Lectures with field work; laboratory work on rocks and fossils. Theses. *Three hours.*

4. Economic Geology. Lectures with laboratory and field work. Ore deposits, economic minerals, soils, water supply. *Three hours.*

5. Petrography. Lectures, laboratory work and theses. *Two hours.*

(See page 42).

Mining.

Professor Holmes.

1. Economic Geology of North Carolina. In these lectures the economic geology of other portions of the Southern Appalachian region is also discussed.

2. Mining in the Southern Appalachian Region. These lectures include a discussion of gold, silver, coal and iron mining.

As supplementary to courses 1 and 2 students are expected to visit the mining regions described.

Dr. Pratt.

3. Mineral and Ore deposits. Lectures supplemented by laboratory and field work.

4. Principles and Practice in General Mining. Lectures supplemented by visits to different mining regions.

LABORATORIES.

The Physical, Chemical and Geological laboratories are well equipped for thorough work. Several thousand dollars are spent annually for apparatus and equipment. Special libraries are kept in the laboratories for the use of the sudents.

REQUIREMENTS FOR ADMISSION.

Candidates for admission are received by examination or by certificate. Entrance examinations are held in September (see page 23). Students who present certificates of work accomplished at preparatory schools or colleges, may be admitted without examination, provided that the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary.

Certificates must be made out on the printed forms furnished on application to the Registrar, and must be deposited with that officer, properly approved, before the work can be officially credited.

EXPENSES.

The University fees and general expenses are, in all respects, the same as for students in the academic department. A statement of the fees charged and the general cost of living for a session of nine months at the University may be found on pages 59 and 60.

REGISTRATION.

Students of the School of Mining should present themselves for registration at the same times and places as other students of the University. This information may be found on page 62. The session of the School of Mining is of the same length as the College year.

STUDENTS (1903-1904).

Graduates.

Name.	Year.	Residence.
Bernard, William Stanly,	*Third,*	Greenville.
A.B., 1900. Greek, Latin, Philosophy. Candidate for A.M.		
Connor, Robert Diggs Wimberly,	*First,*	Wilmington.
Ph.B., 1899. History, Latin, English. Candidate for A.M.		
Crowell, George Henry,	*Second,*	High Point.
Ph B., 1892. History, English, Latin. Candidate for A.M.		
Drane, Brent Skinner,	*Second,*	Edenton.
A.B., 1902. Geology, Chemistry, Physics. Candidate for S.M.		
Faires, Rosabelle Simonton,	*First,*	Statesville.
English, Pedagogy, History, Physics.		
Gordon, William Jones,	*First,*	Wilmington.
A.B., 1903. Philosophy, French, English. Candidate for A M.		
Harding, Henry Patrick,	*First,*	Newbern.
A.B., 1899. Pedagogy, History, English, Latin. Candidate for A.M.		
Hewitt, Joseph Henry,	*Second,*	Mapleton, Va.
A.B., 1899. Biology, Mathematics, English. Candidate for S.M.		
Holmes, Howard Braxton,	*Second,*	Elon College.
A.B . 1899. English French, Latin. Candidate for A.M.		
Huff, Joseph Bascomb,	*First,*	Mars Hill.
A.B , Wake Forest College, 1902. English, History, German, Economics. Candidate for A.M.		
Jones, Alice Edwards,	*Fourth,*	Goldsboro.
Ph.B., 1900. Latin, French, English. Candidate for A.M.		
Lichtenthaeler, Robert Arthur,	*Second,*	Lake City, Fla.
S.B., 1902. Chemistry, Geology, Physics. Candidate for S.M.		
McKie, George McFarland,	*Second,*	Chapel Hill.
Graduate, Emerson School of Oratory. Philosophy, French, English, German.		
Myers, William Starr,	*Second,*	Baltimore, Md.
A.B., University of North Carolina, 1897. Ph.D., Johns Hopkins University, 1900. History, English, German. Candidate for A.M.		
Plyler, Marion Timothy,	*First,*	Chapel Hill.
A.B., Trinity College 1892. A.M., Trinity College 1897. Philosophy, English,		
Skinner, Joshua John,	*First,*	Hertford.
S.B., 1903. Chemistry.		

Smith, James Thomas, *Second*, High Point.
A.B., 1902. Latin, Greek, English. Candidate for A.M.

Stacy, Marvin Hendrix, *Second*, Morven.
PH.B., 1902. Mathematics, Latin, Physics, History. Candidate for A.M.

Taylor, Alexander Ross, *First*, Columbia, S. C.
A.B. South Carolina College. Chemistry.

Whitehurst, Harold, *First*, Newbern.
A.B., 1903. Greek, Latin, English. Candidate for A.M.

Williams, Robert Ransom, *Second*, Newton.
A.B., 1902. History, Economics, English. Candidate for A.M.

Wilson, Henry Evan Davis, *First*, Norfolk, Va
PH.B., 1900. English, History, Latin. Candidate for A.M.

Wilson, Louis Round, *Fifth*, Chapel Hill.
A.B., 1899, A.M., 1902. German, English.

SENIOR CLASS.

NAME.	COURSE.	RESIDENCE.
Allard, Harry Ardell,	*Sci., Min.*,	Oxford, Mass.
Archer, Frederick Charles,	*Arts*,	Chapel Hill.
Archer, Gray,	*Arts*,	Chapel Hill.
Bohannon, Ernest Franklin,	*Phil.*,	Winston-Salem.
Brenizer, Addison Gorgas, Jr.,	*Arts*,	Charlotte.
Council, Edward Augustus,	*Phil.*,	Conoho.
Cox, Albert Lyman,	*Arts*,	Penelo.
Dameron, Edgar Samuel Williamson,	*Arts*,	Hobton.
Daniels, Virgil Clayton,	*Phil.*,	Oriental.
Dunn, William, Jr.,	*Phil.*,	Newbern.
Eagles, William Wooten,	*Arts*,	Crisp.
Fisher, William, Jr.,	*Arts*,	Pensacola, Fla.
Foust, Frank Lee,	*Sci.*,	Graham.
Frost, Harry Barber,	*Sci.*,	Providence, R. I.
Graham, Neill Ray,	*Phil.*,	Charlotte.
Gregory, Fletcher Harrison,	*Arts*,	Halifax.
Haigh, Severn Green,	*Arts*,	Fayetteville.
Harper, Ralph Moore,	*Phil.*,	Kinston.
Haywood, Alfred Williams, Jr.,	*Arts*,	Haw River.
Hickerson, Thomas Felix,	*Phil.*,	Ronda.
Holt, Lawrence Shakleford, Jr.,	*Sci.*,	Burlington.

Holton, Rolanda Clarence,	*Phil.*,	Olympia.
Irwin, James Preston,	*Sci., Min.*,	Charlotte.
Jacocks, William Picard,	*Arts*,	Windsor.
Johnston, Andrew Hall,	*Phil.*,	Asheville.
Johnston, George Anderson,	*Sci.*,	Chapel Hill.
Kenan, Graham,	*Arts*,	Kenansville.
Latta, Albert Whitehead,	*Phil.*,	Raleigh.
Lewis, Roger Gregory,	*Phil.*,	Littleton.
Lockhart, Luther Bynum,	*Phil.*,	University Station.
McIver, Evander McNair,	*Phil.*,	Jonesboro.
MacNider, George St.Clair Mallett,	*Sci., Min.*,	Chapel Hill.
Mann, Wade Hampton,	*Arts*,	Saxapahaw.
Marriott, Williams McKim,	*Sci.*,	Baltimore, Md.
Miller, Robert Oliver,	*Arts*,	Statesville.
Morrison, Theodore Davidson,	*Sci.*,	Asheville.
Newton, John Spruit,	*Phil.*,	Magnolia.
Oldham, George Willis,	*Arts*,	Moore.
Oldham, Wade Hampton,	*Sci.*,	Moore.
Osborne, William Ewell,	*Phil.*,	Greensboro.
Owen, Wesley Benton, Jr.,	*Sci.*,	Liberty.
Pearson, John Henry, Jr.,	*Sci.*,	Morganton.
Pharr, Welborn Earl,	*Sci.*,	Wilkesboro.
Randolph, Edgar Eugene,	*Arts*,	Charlotte.
Rankin, Willie Calvin,	*Arts*,	Whitsett.
Robins, Sidney Swaim,	*Arts*,	Asheboro.
Rogers, Paul Hamilton,	*Phil.*,	Society Hill, S. C.
Rudisill, Lawrence Erastus,	*Arts*,	Cherryville.
Russell, Charles Phillips,	*Arts*,	Rockingham.
Sawyer, Ernest Linwood,	*Phil.*,	Elizabeth City.
Sibley, Guy Clarence,	*Sci.*,	Louisville, Ky.
Sifford, Ernest,	*Phil.*,	Charlotte.
Staton, Marshall Cobb,	*Arts*,	Tarboro.
Sutton, Theodore King,	*Arts*,	Candor.
Whitaker, William Asbury, Jr.,	*Phil.*,	Winston-Salem.
Winstead, Harry Wooding,	*Phil.*,	Leasburg.

Winston, James Horner,	*Arts*,	Durham.
Wood, Walter Poole,	*Arts*,	Elizabeth City.

JUNIOR CLASS.

Amick, William Gray,	*Phil.*,	Liberty.
Barnhardt, Charles Carroll,	*Phil.*,	Whitsett.
Betts, Clarence Edward,	*Arts*,	Salisbury.
Boone, Samuel Bell,	*Arts*,	Jackson.
Brigman, Lindo,	*Arts*,	Rockingham.
Brower, James Frederick,	*Phil.*,	Winston-Salem.
Carr, Clairborn MacDowell,	*Arts*,	Durham.
Cathey, William Cecil,	*Phil.*,	Charlotte.
Cheshire, John,	*Phil.*,	Tarboro.
Cox, Francis Augustus,	*Arts*,	Penelo.
Cox, John Robert,	*Phil.*,	Fremont.
Daniel, Erasmus Alston, Jr.,	*Arts*,	Airlie.
Davis, Henry Wiley,	*Sci.*,	Salisbury.
Emerson, Horace Mann, Jr.,	*Sci.*,	Wilmington.
Exum, James Thomas,	*Phil.*,	Snow Hill.
Gilmer, Joseph Branner,	*Phil.*,	Waynesville.
Gudger, Hubert Barnard,	*Phil.*,	Asheville.
Harris, Julia Hamlet,	*Phil.*,	Raleigh.
Haywood, Hubert Benbury,	*Phil.*,	Raleigh.
Henderson, Thomas Johnston,	*Arts*,	Yanceyville.
Hendley, Charles James,	*Arts*,	Elmwood.
Higdon, Thomas Bragg,	*Phil.*,	Higdonville.
Hill, Thomas,	*Phil.*,	Hillsboro.
Hines, Julian Colegate, Jr.,	*Sci.*,	Morven.
Howard, Jasper Victor,	*Arts*,	Kinston.
Hughes, Harvey Hatcher,	*Phil.*,	Grover.
Jones, Hamilton McRary,	*Arts*,	Warrenton.
Jordan, Stroud,	*Arts*,	Caldwell Institute.
Kelly, Lauchlin McLeod,	*Sci.*,	Carthage.
King, Albert Hill,	*Arts*,	Chapel Hill.
Lassiter, Benjamin Kittrell,	*Phil.*,	Oxford.
Lassiter, Salon McGee,	*Phil.*,	Aulander.

Ledbetter, Penlie Brisco,	*Phil.*,	Davidson River.
Lewis, Henry Stuart,	*Sci.*,	Jackson.
McCanless, Walter Frederick,	*Phil.*,	Trinity.
McLean, Frank,	*Arts*,	Maxton.
Meares, Katherine deRosset,	*Arts*,	Ridgeway, S. C.
Miller, Charles Walter,	*Phil.*,	Sutherlands.
Moore, Andrew Jackson,	*Phil.*,	Greenville.
Moore, Thomas Jefferson,	*Phil.*,	Greenville.
Moses, Herbert Henry,	*Arts*,	Raleigh.
Murphy, James Bumgardner,	*Sci.*,	Morganton.
Nixon, Kemp Battle,	*Sci.*,	Lincolnton.
Noble, Albert Morris, Jr.,	*Phil.*,	Selma.
Orr, Nathan Jordan,	*Elect. Law*,	Charlotte.
Perrett, Walter Kenneth,	*Phil.*,	Whitsett.
Perry, Rex William,	*Phil.*,	Pendleton, S. C.
Philips, Henry Hyman,	*Sci.*,	Tarboro.
Robertson, Judge Buxton,	*Phil.*,	Hartshorn.
Rose, Zeno Hardy,	*Phil.*,	Kenly.
Ross, Otho Bescent,	*Arts*,	Charlotte.
Rountree, Louis Gustavus,	*Arts*,	Brooklyn, N. Y.
Rowe, Claude Watson,	*Sci.*,	Monroe.
Royall, Norman Norris,	*Sci.*,	Wilmington.
Shore, William Thomas,	*Sci.*,	Charlotte.
Singletary, George Currie,	*Arts*,	Clarkton.
Sloan, Charles Henry,	*Phil.*,	Belmont.
Tabor, George Leroy,	*Sci.*,	Chapel Hill.
Taliaferro, Walter Robertson, Jr.,	*Phil.*,	Charlotte.
Townsend, Newman Alexander,	*Phil.*,	Raynham.
Tyson, John Joyner,	*Sci.*,	Greenville.
Vaughan, John Henry,	*Phil.*,	Siloam.
Wade, James Lloyd,	*Phil.*,	Dunn.
Wilson, John Kenyon,	*Phil.*,	Elizabeth City.
Wilson, William Miller,	*Phil.*,	Rock Hill, S. C.
Woodruff, Berryman Edwards,	*Sci.*,	Hartsville, S. C.
Woollen, Charles Thomas,	*Sci.*,	Winston-Salem.
Worth, Henry Venable,	*Sci.*,	Asheboro.

Wrenn, Clement,	*Phil.*,	Mount Airy.
Wright, Isaac Clark,	*Arts*,	Coharie.

Sophomore Class.

Armstrong, Joseph Mortier,	*Sci.*,	Wilmington.
Attmore, George Sitgreaves, Jr.,	*Arts*,	Stonewall.
Bahnson, Agnew Hunter,	*Phil.*,	Winston-Salem.
Best, Edward Leigh,	*Sci.*,	Mapleville.
Brown, Roy Melton,	*Phil.*,	Rutherwood.
Buchanan, Corsey Candler,	*Sci.*,	Sylva.
Burwell, Edmund Strudwick,	*Phil.*,	Charlotte.
Bushnell, Herbert Leonard,	*Phil.*,	Reidsville.
Calder, Robert Edward,	*Sci.*,	Wilmington.
Calvert, John Strong,	*Arts*,	Raleigh.
Carter, Henry Clay, Jr.,	*Phil.*,	Fairfield.
Cheshire, Theophilus Parker,	*Phil.*,	Tarboro.
Cochran, Claude Allen,	*Phil.*,	Star.
Cole, Worth,	*Phil.*,	Charlotte.
Council, David Pendleton,	*Phil* ,	Hickory.
Crawford, Frederick Mull,	*Phil.*,	Greensboro.
Crump, Walter Moore,	*Sci.*,	Salisbury.
Curran, John Francis,	*Sci.*,	Aspinwall, Pa.
Dalton, Archie Carter,	*Phil.*,	Greensboro.
Davis, Isaiah Iverson, Jr.,	*Phil.*,	Morganton.
Drane, Frank Parker,	*Phil.*,	Edenton.
Duncan, James Shepard,	*Arts*,	Beaufort.
Edmonson, Frank Alexander,	*Sci.*,	Morganton.
Farrow, Garrason Anglo,	*Arts*,	Newbern.
Galloway, Thomas,	*Sci.*,	Toxaway.
Gore, Walter Thomas,	*Phil.*,	Winchester, Va.
Goslen, Junius Blake,	*Phil.*,	Winston-Salem.
Gray, Eugene Early, Jr.,	*Phil.*,	Winston-Salem.
Grimes, William Lawrence,	*Sci.*,	Lexington.
Harris, William Clyde,	*Phil.*,	Raleigh.
Hart, Bytha Mabrey,	*Sci.*,	Tarboro.

Haselden, William Rutherford,	*Phil.*,	Lambert, S. C.
Hassell, Charles,	*Arts*,	Williamston.
Heide, Samuel Skinner,	*Sci.*,	Wilmington.
Hester, Addison Reed,	*Sci.*,	Washington, D. C.
Hill, Hampden,	*Sci.*,	Goldsboro.
Hill, Hubert,	*Sci.*,	Raleigh.
Hill, William Poindexter, Jr.,	*Sci.*,	Winston-Salem.
Hines, Harvey Carrow,	*Phil.*,	Kinston.
Hoffman, John Robert,	*Phil.*,	Whitsett.
Jones, Hamilton Chamberlain, Jr.,	*Arts*,	Charlotte.
Kerr, John Daniel, Jr.,	*Arts*,	Clinton.
King, Albert Hill,	*Arts*,	Chapel Hill.
King, Isham,	*Sci.*,	Sanford.
Kluttz, Samuel,	*Elect.*, *Law*,	Chester, S. C.
Lambeth, John Addison,	*Phil.*,	Fayetteville.
Lauten, William Tatum.	*Phil.*,	Nettle Ridge, Va.
Lee, Edwin Borden,	*Sci.*,	Goldsboro.
Littleton, Henry Ward,	*Phil.*,	Albemarle.
London, Isaac Spencer,	*Arts*,	Pittsboro.
Love, Walter Bennett,	*Arts*,	Monroe.
McCain, Hugh White,	*Phil.*,	Waxhaw.
McDiarmid, Hector McKinnon,	*Arts*,	Raeford.
McDonald, Edmund, Jr.,	*Phil.*,	Charlotte.
McLain, Robert Henry,	*Arts*,	Concord.
McMillan, Allen,	*Sci.*,	Fayetteville.
McNairy, John Marvin,	*Sci.*,	Greensboro.
McNider, James Small,	*Phil.*,	Chapanoke.
Mann, William Henry Lee,	*Phil.*,	Saxapahaw.
Miller, Thomas Grier,	*Arts*,	Statesville.
Mills, Quincy Sharpe,	*Arts*,	Statesville.
Moore, Jesse Lee,	*Phil.*,	Patterson.
Moore, Jerome Rea,	*Sci.*,	Columbia, S. C.
Moore, Louis Toomer,	*Phil.*,	Wilmington.
Murphy, William Worth,	*Sci.*,	Salisbury.
Nash, Abner,	*Phil.*,	Charlotte.
Nichols, Austin Flint,	*Arts*,	Roxboro.

Paddison, George Lucas,	*Arts*,	Wilmington.
Parker, John Archibald,	*Phil.*,	Linden.
Pemberton, Clarence Lilly,	*Sci.*,	Fayetteville.
Perry, Bennette Hester,	*Phil.*,	Henderson.
Pogue, Joseph Ezekiel, Jr.,	*Arts*,	Raleigh.
Reynolds, Robert Rice,	*Sci.*,	Asheville.
Royal, Benjamin Franklin,	*Arts*,	Morehead City.
Scott, Ruby Theodore,	*Phil.*,	Morrisville.
Seagle, Perry Edgar,	*Arts*,	Hendersonville.
Self, Marvin Bishop,	*Sci.*,	Hadley.
Smith, Thomas Harley,	*Sci.*,	Liberty.
Stacy, Walter Parker,	*Arts*,	Waxhaw.
Stancell, Samuel Turner,	*Arts*,	Margarettsville.
Staton, John Arthur,	*Phil.*,	Bethel.
Stedman, John Porter,	*Sci.*,	Winston-Salem.
Stephenson, Victor Lee,	*Arts*,	Statesville.
Stephens, William Telfair,	*Phil.*,	Raleigh.
Tomlinson, Lawrence Archdale,	*Phil.*,	Durham.
Upchurch, William Merriman,	*Phil.*,	Morrisville.
Washburn, Benjamin Earl,	*Phil.*,	Rutherfordton.
Weller, Francis Marshall,	*Sci.*,	Weldon.
Winborne, John Wallace,	*Arts*,	Mege.
Wood, John Gilliam, Jr.,	*Phil.*,	Edenton.
Wrenn, James Edward,	*Sci.*,	Clayton.
Yokley, James Fletcher,	*Phil.*,	Mount Airy.

Freshman Class.

Abernathy, Noah,	*Sci.*,	Grandview.
Albright, Charles Alexander,	*Elect.*,	Melville.
Archer, Frances Randolph,	*Elect.*,	Chapel Hill.
Archer, McIlwaine,	*Sci.*,	Chapel Hill.
Aycock, Jesse Burden,	*Sci.*,	Fremont.
Barker, William Jefferson,	*Phil.*,	Wooten.
Bennett, Junius White,	*Sci.*,	Reidsville.
Berry, John, Jr.,	*Phil.*,	Chapel Hill.
Blalock, Lawrence,	*Sci.*,	Willow Springs.

Bond, William Marion, Jr.,	*Sci.*,	Edenton.
Boone, Elmer William,	*Phil.*,	Graham.
Bower, John Calhoun,	*Phil.*,	Jefferson.
Brinkley, Lonn Leland,	*Phil.*,	Elm City.
Cannon, Clarence Victor,	*Phil.*,	Ayden.
Carson, Jesse Columbus,	*Sci.*,	Bethel.
Cartwright, Clintonia Richardson,	*Elect.*,	Elizabeth City.
Connor, Hubert Bascombe,	*Phil.*,	Mars Hill.
Cummings, Kemp Plummer Battle,	*Sci.*,	Winston-Salem.
Cummings, Michael Penn,	*Phil.*,	Reidsville.
Dalton, Willie Reid,	*Phil.*,	Reidsville.
Davis, Mary George,	*Elect.*,	Raleigh.
Davis, Robert Harris,	*Arts*,	Linden.
Davis, Walter,	*Sci.*,	Fremont.
Day, Jerry,	*Phil.*,	Aho.
Day, Roby Councill,	*Arts*,	Blowing Rock.
Deal, Claude Andrew,	*Arts*,	Wardlaw.
Denson, Eley Parker,	*Phil.*,	High Point.
Dickson, Thomas Wyatt,	*Arts*,	Raeford.
Dickson, William Samuel,	*Phil.*,	Chapel Hill.
Dixon, Jay Kay,	*Phil.*,	Gastonia.
Dixon, Rufus Herbert,	*Sci.*,	Bishopville, S. C.
Douthit, Jacob Benton,	*Sci.*,	Bower.
Duls, William Henry,	*Phil.*,	Wilmington.
Eastridge, Carl Schurz,	*Sci.*,	Clifton.
Elliott, Horace Copley,	*Elect.*, *Law*,	Darlington.
Farabee, Samuel Howard,	*Sci.*,	Winston-Salem.
Farmer, Clarence Ravinal,	*Phil.*,	Elm City.
Fenner, Harry Shaw,	*Sci.*,	Halifax.
Freeman, Howard Frank, Jr ,	*Sci.*,	Taylor.
Galloway, James Cleveland,	*Sci.*,	Grimesland.
Gillam, Frank,	*Arts*,	Windsor.
Goss, David Alexander,	*Elect.*,	Creston.
Green, William Wills, Jr.,	*Sci.*,	Franklinton.
Hall, Walter Alvis,	*Sci.*,	Fayetteville.
Hannah, John George, Jr.,	*Phil.*,	Siler City.

Hardin, Oscar Lawrence,	*Phil.*,	Blowing Rock.
Hardison, Robinson Battle,	*Phil.*,	Morven.
Hathcock, John Lindsay,	*Phil.*,	Albemarle.
Haynes, Joseph Walter,	*Sci.*,	Asheville.
Haywood, Thomas Holt,	*Phil.*,	Haw River.
Herring, Ernest Clyde,	*Phil.*,	Garland.
Hester, Joseph Robert,	*Sci.*,	Eagle Rock.
Highsmith, Edwin McKoy,	*Phil.*,	Harrells Store.
Houck, William Arthur,	*Phil.*,	Statesville.
Hoyle, Ambrose Hill,	*Phil.*,	Cleveland Mills.
Hughes, Israel Harding,	*Arts*,	Chocowinity.
Hughes, Norman,	*Arts*,	Jackson.
Humphrey, Daniel Clingman,	*Sci.*,	Goldsboro.
Hunt, John Leigh,	*Sci.*,	Kittrell.
Hunter, William Shearer,	*Phil.*,	Lexington.
Hursey, Sidney Douglas,	*Elect.*, *Law*,	Dillon, S. C.
Hutchison, Andrew Cleveland,	*Elect.*,	Charlotte.
Hutchison, Francis,	*Sci.*,	Charlotte.
Jacobs, Harry Hyman,	*Sci.*,	Winston-Salem.
James, James Burton,	*Phil.*,	Greenville.
James, William Daniel,	*Sci.*,	Laurinburg.
Jeffress, Edwin Bedford,	*Sci.*,	Asheville.
Jenkins, William Adrian,	*Phil.*,	Colerain.
Johnson, Bayard Cleveland,	*Arts*,	Ingold.
Katzenstein, Charles J.,	*Arts*,	Warren Plains.
Keel, Charles Herbert,	*Arts*,	Mount Olive.
Kerr, James Stevens,	*Arts*,	Clinton.
Knight, Henry Reginald,	*Sci.*,	Barnes Store.
Lambertson, Browning Augusta,	*Elect.*,	Rich Square.
Leary, Ernest Woodard,	*Phil.*,	Edenton.
Lee, Earl Gordon,	*Elect.*,	Clinton
LeGrand, Eugene Quince,	*Sci.*,	Wilmington.
Leonard, George Ferrel,	*Phil.*,	Lexington.
Linn, Stahle,	*Phil.*,	Salisbury.
Liverman, Forrest Lee,	*Phil.*,	Columbia.
Long, Edgar Miller,	*Arts*,	Hamilton.

Longhlin, Charles Clarke,	*Sci.*,	Wilmington.
Lykes, John Wall,	*Phil.*,	Tampa, Fla.
McAden, James Thomas,	*Arts*,	Raleigh.
McGowan, William Tillman,	*Phil.*,	Lake Comfort.
McKinnon, William Hugh, Jr.,	*Sci.*,	Red Springs.
McLean, William DeRoy,	*Phil.*,	Sedalia.
Matthews, Luther Preston,	*Phil.*,	Poindexter.
Meares, Richard Langdon,	*Sci.*,	Wilmington.
Mitchell, Adrian Seymour,	*Phil.*,	Winton.
Moore, Kinchen Carl.	*Phil.*,	Wilson.
Morris, George Blythe,	*Arts*,	Goldsboro.
Morris, James Allen, Jr.,	*Sci.*,	Atlanta, Ga.
Morrison, Allen Turner,	*Arts*,	Asheville.
Mowen, Harry Eugene,	*Phil*,	Monroe, La.
Nelson, Stacy Elijah,	*Arts*,	Marshallberg.
Nicholson, Samuel Timothy,	*Arts*,	Bath.
Noe, Walter Raleigh,	*Sci.*,	Beaufort.
O'Berry, Thomas,	*Sci.*,	Goldsboro.
Ogburn, Levy Elmer,	*Phil.*,	Plains, S. C.
Owen, Carl,	*Sci.*,	Yadkin College.
Palmer, John Brame,	*Arts*,	Marrenton.
Parker, John Johnston,	*Arts*,	Monroe.
Parker, Luther Wood,	*Phil.*,	Hertford.
Parker, Walter Lafayette,	*Sci.*,	Margarettsville.
Patrick, Joseph Benjamin,	*Sci.*,	Chocowinity.
Peace, Alexander Winston,	*Elect.*, *Law*,	Oxford.
Pemberton, John De Jarnette,	*Arts*,	Raleigh.
Pickard, Walter Watson, Jr.,	*Sci.*,	Chapel Hill.
Pittman, Thomas Merritt, Jr ,	*Sci.*,	Henderson.
Pittman, Wiley Hassell Marion,	*Arts*,	Crisp.
Pritchard, George Moore,	*Sci.*,	Washington, D. C
Ramseur, John Hunter,	*Phil.*,	Kings Mountain.
Rankin, Claude Wharton,	*Sci.*,	Fayetteville.
Reid, James William,	*Arts*,	Lowell.
Roberson, Foye,	*Sci.*,	Chapel Hill.
Robinson, John Moseley,	*Phil.*,	Goldsboro.

Robinson, William S. O'Brien, Jr.,	*Phil.*,	Goldsboro.
Shannon, Beverly Oscar,	*Arts*,	Gastonia.
Sharpe, Charlie Cleveland,	*Phil.*,	Greensboro.
Shearer, David Robert,	*Phil.*,	Collettsville.
Simmons, Thomas William,	*Phil.*,	Mints.
Singletary, Snowden,	*Arts*,	Clarkton.
Skinner, William Pailin,	*Arts*,	Hertford.
Sloan, Alexander Thomas,	*Sci.*,	Winston-Salem.
Sloan, Henry Lee,	*Arts*,	Ingold.
Small, Walter Lowry,	*Phil.*,	Elizabeth City.
Smith, Edward, Jr.,	*Phil.*,	Dunn.
Sonders, Floyd Benton,	*Sci.*,	Fayetteville.
Spruill, James Franklin,	*Sci.*,	Oriental.
Starnes, Xavier Brand,	*Elect., Min.*,	Asheville.
Stem, Frederick Boothe,	*Sci.*,	Darlington, S. C.
Story, Romy,	*Phil.*,	Aho.
Stowe, Lester Holland,	*Sci.*,	Belmont.
Sutton, Thomas Harvey, Jr.,	*Arts*,	Fayetteville.
Thomas, Charles Randolph, Jr.,	*Arts*,	Newbern.
Thompson, John Melvin,	*Phil.*,	Graham.
Tillett, Duncan Patterson,	*Arts*,	Charlotte.
Ward, Vernon Albert,	*Sci.*,	Wilson.
Weill, Charles Louis,	*Phil.*,	Rockingham.
Wells, John Jackson,	*Sci.*,	Elm City.
Wheatly, Cland Robinson,	*Sci.*,	Beanfort.
White, Andrew Jackson,	*Phil.*,	Elizabeth City
White, John Lawrence,	*Phil.*,	High Point.
Willcox, Joseph,	*Elect.*,	Putnam.
Winborne, Stanley,	*Phil.*,	Murfreesboro.
Wood, Walter Alexander,	*Sci.*,	Brevard.
Yelverton, Eugene Leslie,	*Sci.*,	Goldsboro.

Students in Law.

Regular Term.

Adams, John Sneed,	Asheville.
Andrews, Ira Edgerton Dwight, A.B., 1898,	Chapel Hill

Axley, Willird Munsey,	Murphy.
Ballou, Robert Lucien,	Crumpler.
Barbour, James Romeo,	Benson.
Barbour, Offee Almond,	Benson.
Black, Frederic LeRoy,	Davidson.
Boggan, Henry Smith,	Wadesboro.
Britt, James Jefferson,	Asheville.
Britton, Theodore Garfield,	Bethel.
Brown, Sidney Glenn,	Greensboro.
Bulwinkle, Alfred Lee,	Dallas.
Carpenter, John Graham,	Stanley.
Chastain, Rufus Benjamin, A.B., 1902,	Ogden.
Clark, Walter, Jr., B.E., *Agr. and Mech.*, 1903,	Raleigh.
Cumming, Preston, Jr., PH.B., 1903,	Wilmington.
Curtis, Howard Coit,	Southport.
Davis, Edgar Erastus,	Murphy.
DeLaney, James Lester,	Charlotte.
Deweese, James A. Garfield,	Murphy.
Dortch, James Tyson,	Berryville, Va.
Driggers, Gettis Hugh,	Hendersonville.
Dunn, William, Jr.,	Newbern.
Engel, Ralph Barkinell,	Cleveland, O.
Faison, Paul Fletcher,	Raleigh.
Farriss, Edward Holden,	High Point.
Fowle, Daniel Gould,	Raleigh.
Giles, Denison Foy,	Roxboro.
Gilmer, Joseph Branner,	Waynesville.
Goodman, Louis,	Wilmington.
Green, Ernest M.,	Newbern.
Green, George Chancellor, A.B., *Georgetown*, 1901,	Weldon.
Griffin, Fairley Franklin,	Monroe.
Herndon, Carl Hines,	Elon College.
Herring, Robert Withington, PH.B., 1903,	Wallace.
Johnson, Luren Thomas, PH.B., 1901,	Ingold.
Jones, George Lyle, A.B., 1903,	Franklin.
Kinlaw, Wade Hampton,	Howellsville.
Lambert, Maurice Ashby,	Raleigh.

Lassiter, LeRoy Lear,	Lasker.
McBrayer, Fred Wilkins,	Rutherfordton.
McMullan, Harry,	Edenton.
Mallonnee, James David,	Franklin.
Matthews, John Hilary,	Colerain.
Meares, Thomas David,	Wilmington.
Mnncaster, Robert Charles,	Peterboro, Can.
Olcott, Herman Parker, A.B., *Yale, 1901*,	New York, N. Y.
Pace, William Heck, A.B., *Wake Forest*, 1903,	Raleigh.
Patton, George Mannel,	Elon College.
Ramsey, Joseph Bunn,	Rocky Mount.
Roach, Robert McDowell,	Charlotte.
Ronntree, Jack Robert,	Chapel Hill.
Scroggs, James Wardlaw, A.B., *Trinity*,	Greensboro.
Sinclair, Logan Carson,	Marion.
Skinner, Harry, Jr.,	Greenville.
Stern, David Pony, PH.B., 1902,	Scotland Neck.
Stewart, Roach Sidney, PH.B., 1903,	O. K., S. C.
Swink, Walter Lee,	Winston-Salem.
Taylor, Charles Edward,	Southport.
Ward, George Robert, PH.B., 1903,	Rose Hill.
Welch, Gilmer Burt,	Bushnell.
Williams, Buxton Barker, A.B., 1902,	Ridgeway.
Winston, James Horner,	Durham.
Witherspoon, Donald,	Newton.

Summer Term.

Adams, Stonewall Jackson, A.B., 1900,	Raleigh.
Adams, Thaddens Awasaw, A.B., 1902,	Finch.
Allen, Talbot Mnrray, A.B., *Trinity*, 1900,	Raleigh.
Boddie, William Willis,	Lonisburg.
Brown, Thomas Edwin,	Wilmington.
Bynum, Frederick Williamson	Pittsboro.
Carson, James McEntire,	Rntherfordton.
Chambers, Sidney Clarence,	Durham.
Clement, Hayden,	Salisbury.

Driggers, Gettis Hugh,	Hendersonville.
Duncan, Julius Fletcher, A.B., A.M., 1902,	Beaufort.
Flanagan, Roy Chetwynd,	Greenville.
Fuller, Thomas Staples.	New York, N. Y.
Gibson, Edward Hubert,	Gibson.
Gillam, Moser Braxton,	Windsor.
Goodman, Louis,	Wilmington.
Haywood, Alfred Williams, Jr.,	Haw River.
Herring, Robert Withington, PH.B., 1903,	Wallace.
Hudson, Thomas Franklin,	Salisbury.
Johnson, Luren Thomas, PH.B., 1901,	Ingold.
Lane, Henry Pritchett,	Leaksville.
Long, Jacob Elmer,	Greensboro.
Lucas, William Alonzo,	Lucama.
McRae, John Albert,	White Store.
Monteath, Archibald Durie,	Asheville.
Morrow, Decatur Franklin,	Rutherfordton.
Palmer, John Brame,	Chapel Hill.
Ramsey, Joseph Bunn,	Rocky Mount.
Reade, Robert Purcival,	Mount Tirzah.
Rountree, Jack Robert,	Chapel Hill.
Schenck, Michael,	Greensboro.
Short, Henry Blount, A.B., 1902,	Lake Waccamaw.
Starr, Albert Luther,	Startown.
Stewart, Hamilton Vernon,	Greensboro.
Swink, Walter Lee,	Winston-Salem.
Thigpen, Kenneth Bayard, A.B., 1901,	Tarboro.
Umstead, Joseph Martin,	Durham.
Ward, George Robert, PH.B., 1903,	Rose Hill.
Welch, Gilmer Burt,	Bushnell.
Williams, Robert Ransom, A.B., 1902.	Newton.
Witherspoon, Donald,	Newton.

Elementary Law.

Archer, Frederick Charles,	Chapel Hill.
Armstrong, Joseph Mortier,	Wilmington.

Brower, James Frederick,	Winston-Salem.
Cheshire, John,	Tarboro.
Cox, Albert Lyman,	Peuelo.
Daniel, Erasmus Alston, Jr.,	Airlie.
Emerson, Horace Mann, Jr.,	Wilmington.
Frost, Harry Barber,	Providence, R. I.
Galloway, Thomas,	Toxaway.
Gilmer, Joseph Branner,	Waynesville.
Gray, Eugene Early, Jr.,	Winston-Salem.
Haigh, Severn Green,	Fayetteville.
Hassell, Charles,	Williamston.
Haywood, Alfred Williams, Jr.,	Haw River.
Haywood, Hubert Benbury,	Raleigh.
Hill, William Poindexter, Jr.,	Winston-Salem.
Holt, Lawrence Shackleford, Jr.,	Burlington.
Hursey, Sidney Douglas,	Dillon, S. C.
Kluttz, Samuel.	Chester, S. C.
Lassiter, Benjamin Kittrell,	Oxford.
Lewis, Henry Stuart,	Jackson.
McMillan, Allen,	Fayetteville.
Miller, Robert Oliver,	Statesville.
Morrison, Theodore Davidson,	Asheville.
Newton, James Sprunt,	Magnolia.
Noble, Albert Morris,	Selma.
Orr, Nathan Jordan,	Charlotte.
Peace, Alexander Winston,	Oxford.
Pemberton, Clarence Lilly,	Fayetteville.
Philips, Henry Hyman,	Tarboro.
Roach, Robert McDowell,	Charlotte.
Rowe, Claude Watson,	Monroe.
Rudisill, Lawrence Erastus,	Cherryville.
Sawyer, Ernest Linwood,	Elizabeth City.
Shore, William Thomas,	Charlotte.
Staton, Marshall Cobb,	Tarboro.
Stedman, John Porter,	Winston-Salem.

Smith, Edward, Jr.,	Dunn.
Winstead, Harry Wooding,	Leasburg.

Students in Medicine.

Name.	Year.	Residence.
Abernethy, Claude Oliver, B.S., 1902,	*Second*,	Chapel Hill.
Andrews, Junius Marvin,	*First*,	Asheboro.
Apgar, Raymond,	*First*,	Allentown, Pa.
Barefoot, Julius Jackson,	*First*,	Wilson.
Belt, Townsend Wentworth,	*Second*,	Leesburg, Va.
Berkeley, Green Ramsey, A.B., 1903,	*Second*,	Atlanta, Ga.
Best, Henry Blount,	*First*,	Wilson.
Brenizer, Addison Gorgas, Jr.,	*First*,	Charlotte.
Browne, Alfred Dana,	*First*,	Philadelphia, Pa.
Chalfant, Harry Bailey,	*First*,	Stroudsburg, Pa.
Clement, Edward Buehler, S.B., 1903,	*Second*,	Salisbury.
Conwell, Charles Everett,	*Third*,	Raleigh.
Cranmer, John Bensell,	*Third*,	Chapel Hill.
Dick, Julius Vance,	*First*,	Whitsett.
Donnelly, John,	*Third*,	Charlotte.
Engel, William Royal,	*Second*,	Cleveland, O.
Farrar, Mont Royal,	*Third*,	Greensboro.
Farthing, Logan Elmore,	*Second*,	Boone.
Freedman, Theodore,	*First*,	New York City.
Glenn, Marshall Renfro, S.B., 1903,	*First*,	Asheville.
Guthrie, Marshall Crapon, Jr.,	*Fourth*,	Southport.
Hiatt, Houston Boyd,	*First*,	Clinton.
Hobgood, James Edward,	*First*,	Oxford.
Hocutt, Battle Applewhite,	*Second*,	Wakefield.
Hyatt, Frederick Carlyle,	*First*,	Waynesville.
Jones, Harry Murray, A.B., 1903,	*Second*,	Franklin.
Jordan, William Stone,	*Second*,	Raleigh.
Kibler, William Herbert,	*First*,	Morganton.
Kimball, Thomas Manily,	*First*,	Wakefield.
Knox, John, Jr.,	*Second*,	Pineville.

Knttner, Theodore,	*Second*,	New York City.
Leinbach, Robert Frederick,	*First*,	Wiuston-Salem.
Long, Thomas Williams Masou,	*First*,	Garysburg.
McIver, Evander McNair,	*First*,	Jouesboro.
McLean, Peter,	*Second*,	Laurinburg.
Mann, James Emery,	*Second*,	Fairfield.
Maness, John Moses,	*First*,	Hemp.
Mayerberg, Israel Wallace,	*First*,	Goldsboro.
Merritt, James Hamlett,	*Second*,	Roxboro.
Moore, Charles Edward,	*First*,	Rural Hall.
Moore, Joseph Newit,	*Third*,	Saratoga.
Newell, Leone Burns, A.B., 1900,	*Third*,	Newell.
Noble, Robert Primrose,	*First*,	Selma.
Patterson, Joseph Flauner,	*Second*,	Newberu.
Plummer, Alson Lindsay,	*Second*,	Jones Mine.
Query, Richard Zimri,	*First*,	Derita.
Rice, Wilbur Calhoun,	*First*,	Sydney, Fla.
Rose, Abraham Hewitt,	*Second*,	Smithfield.
Ross, William Bascom,	*First*,	Pleasant Garden.
Royster, Thomas Hayes,	*First*,	Buchanan.
Sharpe, Frauk Louis,	*Fourth*,	Statesville.
Sheep, William Lloyd,	*Second*,	Elizabeth City.
Sherman, Joshua,	*Second*,	New York City.
Shore, Clarence Albert, S.M., 1902,	*First*,	Winston-Salem.
Smith, William Hopton,	*Second*,	Goldsboro.
Speight, Joseph Powell,	*Second*,	Whitakers.
Stanly, John Haywood, Jr.,	*Fourth*,	Four Oaks.
Starnes, Brand,	*Second*,	Asheville.
Stevens, Ralph Sauders,	*Third*,	Smithfield.
Strickland, Jesse Armed,	*First*,	Wilson.
Tankersley, James William,	*Second*,	Salisbury.
Upchurch, Caley Geoffrey,	*Second*,	Apex.
Vick, George Davis,	*Second*,	Selma.
Ward, Ivie Alphouso,	*First*,	Ryland.
Ware, Major Lee,	*First*,	Kings Mountain.
Warren, John Waddell,	*First*,	Edenton.

Webb, Lorenzo Stevenson,	*Third*,	Wilmington.
Wilkerson, Charles Baynes,	*Second*,	Roxboro.
Willcox, Jesse Womble, PH.B., 1903,	*Second*,	Putnam.
Williams, John Watkins,	*Second*,	Washington.
Willis, Arthur Pender,	*Fourth*,	Mars Hill.
Woodard, Albert Gideon,	*First*,	Princeton.

Students in Pharmacy.

Name.	Year.	Residence.
Abernethy, Benjamin Scott,	*First*,	Chapel Hill.
Atkins, Donah Josiah,	*First*,	Durham.
Barkley, Dennis Edward,	*First*,	Jackson.
Barnes, Edwin Wilmer,	*Second*,	Kings Mountain.
Brown, James Dulon,	*First*,	Goldsboro.
Cannon, Claudius Lillington,	*Second*,	Ayden.
Chapman, David Simeon,	*First*,	Winterville.
Clements, William Jasper.	*Second*,	Durham.
Cooke, Henry Maddrey,	*First*,	Murfreesboro.
Coppedge, Oliver Thomas,	*First*,	Cedar Rock.
Ellington, Richard Alexander,	*First*,	Reidsville.
Flagler, Clarence,	*First*,	Strondsburg, Pa.
Gardner, Elmer John,	*First*,	Ayden.
Graves, Yancey Baze,	*Second*,	Mount Airy.
Hall, Percy Opie,	*First*,	Wilmington.
Hardee, Aldridge Kirk,	*First*,	Itiner.
Hicks, Oscar Vernon,	*Second*,	Goldsboro.
Hicks, William Jacob,	*Second*,	Goldsboro.
Hoffmann, Solomon Wallace,	*Second*,	Statesville.
Hoffman, William Herbert,	*First*,	Statesville.
Howell, John Thomas,	*Second*,	Kenly.
Hudson, John Edgar,	*Second*,	Elkin.
Jenkins, Joseph Van,	*Second*,	Rocky Mount.
Jones, Harvey McNair,	*First*,	Greenville.
King, Charles Hiram,	*First*,	Durham.
LeGwin, John Bunyan,	*Second*,	Wilmington.
Lynch, Norman Walker,	*First*,	Bessemer City.

McKinney, William Merrimon,	*First*,	Charleston, S. C.
Marsh, Noma Franklin,	*First*,	Hughes Springs, Tex.
Martin, Earle Wall,	*Second*,	Morven.
Millis, James Edward,	*First*,	High Point.
Moore, Charles Ernest,	*First*,	Wilson.
Palmer, Robert Rodwell,	*First*,	Chapel Hill.
Parker, Albert Frederick,	*First*,	Waynesville.
Parker, Roland Hurn,	*First*,	Durham.
Patterson, Wallace Denham,	*Second*,	Chapel Hill.
Payne, Maxwell Tull,	*First*,	Morganton.
Phifer, Marcus Andrew,	*First*,	Marshville.
Pickelsimer, Jesse Benjamin,	*First*,	Brevard.
Pike, Joseph William,	*First*,	Brim.
Pope, Julian Alexander,	*Second*,	Lumberton.
Richardson, Luther Wyatt,	*Second*,	Kenly.
Ring, Luther Brandson,	*First*,	Elkin.
Scoggin, Lewis Edward,	*First*,	Warrenton.
Seawell, Charles Carson,	*First*,	Parkwood.
Sedberry, Henry Burdsong, Jr.,	*First*,	Fayetteville.
Smith, John McNeill,	*Second*,	Laurinburg.
Sykes, John Allen,	*First*,	Greensboro.
Tart, David Whitfield,	*First*,	Dunn.
Thrower, Hiram Eldridge,	*First*,	Henderson.
Upchurch, Robert Theodore,	*First*,	Apex.
White, John Elmer,	*First*,	Waynesville.
Wilkins, William Robert,	*First*,	Kings Mountain.
Winder, William Ray,	*First*,	Elizabeth City.
Woodcock, Rufus Johnston,	*First*,	Asheville.

To the list of GRADUATES, on page 108, is to be added:

NAME.	YEAR.	RESIDENCE.
Lentz, Jay Dick,	*Fourth*,	Concord.

LITT.B., 1897. History, Latin. Candidate for A.M. Non-resident.

SUMMARY.

THE COLLEGE:—

Course.	*Arts.*	*Philosophy.*	*Science.*	*Elect.*		
Seniors,	24	20	14	—	58	
Juniors,	26	36	19	1	82	
Sophomores,	22	40	28	1	91	
Freshmen,	29	54	52	13	148	
					—	379

THE GRADUATE DEPARTMENT:—

Students,		24

THE LAW DEPARTMENT:—

Student, Regular Session,	64	
Students, Summer Term,	41	
	—	105

THE DEPARTMENT OF MEDICINE:—

Fourth-Year Students,	4	
Third-Year Students,	8	
Second-Year Students,	28	
First-Year Students,	32	
	—	72

THE DEPARTMENT OF PHARMACY:—

Second-Year Students,	16	
First-Year Students,	39	
	—	55
Whole number of students,		635
Names inserted twice,		15
		620

Summary by States.

North Carolina,	565	Louisiana,	2
South Carolina,	17	Maryland,	2
New York,	6	Ohio,	2
Virginia,	7	Canada,	1
Pennsylvania,	5	Kentucky,	1
Florida,	4	Massachusetts,	1
Georgia,	3	Rhode Island,	1
District of Columbia,	2	Texas,	1

THE SUMMER SCHOOL.

FACULTY, SESSION OF 1904.

FRANCIS PRESTON VENABLE, PH.D., LL.D., PRESIDENT.
EBEN ALEXANDER, PH.D., LL.D., *Greek.*
JOHN ADDISON BIVINS, *Geography.*
JAMES DOWDEN BRUNER, PH.D., *French.*
COLLIER COBB, A.M., *Geology.*
WILLIAM EDWARD DODD, PH.D., *History.*
ALIDA F. FALES, *Kindergarten.*
MELVILLE VINCENT FORT, *Drawing.*
JULIUS ISAAC FOUST, PH.B., *Mathematics.*
ALEXANDER GRAHAM, A.M., *North Carolina History.*
EDWARD KIDDER GRAHAM, A.M., *English.*
WILLIAM C. A. HAMMEL, *Manual Training.*
ERNEST NORTON HENDERSON, PH.D., *Psychology and Education.*
GEORGE HOWE, PH.D., *Latin.*
MARGARET A. JOHNSTON, B.A., *Kindergarten.*
JAMES EDWARD LATTA, A.M., *Physics.*
IVEY FOREMAN LEWIS, M.S., *Botany.*
GEORGE McFARLAND McKIE, *Expression.*
CHARLES STAPLES MANGUM, M.D., *Physiology and Hygiene.*
MARCUS CICERO STEPHENS NOBLE, *Pedagogy.*
JULIA RAINES, *Manual Training.*
CHARLES ALPHONSO SMITH, PH.D., *English.*
HENRY NELSON SNYDER, A.M., *Southern Literature.*
WALTER DALLAM TOY, M.A., *German.*
ALVIN SAWYER WHEELER, PH.D., *Chemistry.*
LOUIS ROUND WILSON, A.M., *Library.*

Special Lectures.

The following gentlemen have accepted invitations to deliver one or

more lectures during the period of the Summer School: Charles B. Aycock, Governor of North Carolina; Charles D. McIver, President, State Normal and Industrial College; James Y. Joyner, Superintendent of Public Instruction; Henry Louis Smith, President of Davidson College; William L. Poteat, Professor of Biology, Wake Forest College; Josephus Daniels, Editor of the News and Observer; Edwin Mims, Professor of English Literature, Trinity College; J. W. Bailey, Editor of the Biblical Recorder; Kemp Plummer Battle, Professor of History, University of North Carolina; Thomas Hume, Professor of English Literature, University of North Carolina; James Cameron MacRae, Professor of Law, University of North Carolina.

Public lectures will be given every evening during the session, dealing with important matters in science, literature, history, and vital questions connected with the growth and development of the schools.

The following well known Superintendents of Schools have agreed to be present, each of whom will give one or more practical talks to the teachers on subjects of importance in their work. It is hoped that the assistance of others can also be secured. They will present the best of their thought and experience for years in school work:

J. T. Alderman, Henderson; J. Davis, Mount Airy; Alexander Graham, Charlotte; I. C. Griffin, Salisbury; S. G. Harden, Reidsville; J. A. Jones, Fayetteville; C. E. Maddry, Orange County; E. P. Mangum, Wilson; O. W. Massey, Durham County; J. A. Mattheson, Durham; Walter Thompson, Concord; R. J. Tighe, Asheville; C. F. Tomlinson, Winston-Salem; C. W. Wilson, Scotland Neck.

ANNOUNCEMENT.

Date of Opening. 3845 teachers enrolled in the past.

The nineteenth annual session of the University Summer School for Teachers will begin at 12 o'clock, June 13, and close on the afternoon of July 8. All the resources of the University will be open to those who attend, and it is believed that a glance through the courses here offered will convince the progressive teachers of North Carolina that it is the part neither of wisdom nor economy for them to leave the State in order to secure the best instruction in both text-books and methods.

A Genuine School of Methods.

Expert instructors representing the latest developments in school management and methods of teaching.

The opportunities and advantages offered this year are of even greater value and better suited to the needs of the teacher than those which in former years have given the Summer School its reputation for merit and efficiency.

In arranging the courses of study, a special effort has been made to provide for the following:

1. Those who are preparing to teach in either public or private schools.
2. Those teachers who wish to study under experts the best methods employed in modern educational endeavor.
3. The teachers in both public and private schools who desire to broaden their scholarship or to improve their methods of instruction and discipline by a careful study of the theories and results of practical and successful teachers.

General Plan of Instruction.

A total of forty two courses, including subjects of special value to teachers in every grade.

The courses may be grouped under the following heads:

COMMON SCHOOL SUBJECTS AND METHODS.	PSYCHOLOGY AND PEDAGOGY.	HIGH SCHOOL AND COLLEGE SUBJECTS.
Kindergarten.	Psychology.	Latin Grammar and Literature.
Reading.	Art of Teaching.	Greek Grammar and Literature.
Expression.	Philosophy of Education.	English Grammar and Literature.
Elementary Physiology.	Philosophy of Method.	French Grammar and Literature.
Elementary Physics.	History of Education.	German Grammar and Literature.
Elementary Arithmetic.		American History.
Manual Training.		History of North Carolina.
Elementary Algebra.		Roman and Mediaeval History.
English Composition.		Arithmetic and Algebra.
Geography.		Geology.
Drawing.		Mineralogy.
Elementary History of the United States.		Advanced Physiology.
History of North Carolina.		Botany.
		Chemistry.
		Physics.

Certificates will be issued to those members of the school who regularly attend and satisfactorily complete courses amounting, in the aggregate, to eighteen hours.

Special Advantages. All the privileges of the University open to students of the Summer School and at less cost than at any other season of the year.

Lecture Course. A regular course of lectures, both scientific and literary, has been provided, many of them being of direct, practical value to the teacher, and dealing with vital questions connected with the growth and development of our schools. The lecture course will be free, and will contribute greatly to the pleasure and profit of the teachers.

Library. The University Library, which contains more than 42,000 volumes, and the Reading Room, supplied with the best periodicals and newspapers, will be open daily to members of the Summer School. There will thus be furnished, free of cost, a most excellent opportunity for collateral reading on any of the courses of study, and general reading in a wide range of subjects.

Laboratories. The Physical, Chemical, Botanical and Zoological Laboratories of the University are modern in their equipment and are at the service of the Summer School. Laboratory methods and experience are necessary to the most successful teacher of to-day, and can be readily acquired only by actually doing laboratory work under the guidance of skilled instructors.

Campus. The University buildings are located in a well-shaded campus of nearly fifty acres, and Chapel Hill, with an elevation of five hundred feet, shady streets and pure, cool drinking water, offers a delightful summer home.

Low Cost. The entire expense for registration fee, furnished room in the dormitories, with electric light and baths, and board at Commons Hall, is only fifteen dollars. The cost of attending any Summer School, offering equal advantages of instruction, would be more than three times this amount.

COURSES OF STUDY.

Pedagogy.

Professor M. C. S. Noble.

1. The Development and Philosophy of Method.

Professor E. N. Henderson.

2. Contributions of Psychology to Education.

3. The Aims of the School.

English.

Professor E. K. Graham.

1. College Entrance Requirements in English.

Professor C. Alphonso Smith.

2. The Structure and Development of the Short Story.

3. English Grammar.

President H. N. Snyder.

4. Southern Literature.

Mr. G. M. McKie.

5. Expression, Voice Culture, Reading.

6. Shakespeare.

History.

Professor W. E. Dodd.

1. Elementary History of the United States.

2. Outlines of Roman and Mediaeval History.

Professor Alexander Graham.

3. North Carolina History.

Mathematics.

Professor M. C. S. Noble.

1. Elementary Arithmetic.

Professor J. I. Foust.

2. Advanced Arithmetic.

3. Algebra.

Geography.

Principal J. A. Bivins.

1. Primary Geography.

2. Observation lessons on brooks, stars, soil, rocks, weather, plants, etc.

Geology and Mineralogy.

Professor Collier Cobb.

1. Elementary Geology.

2. Elementary Mineralogy.

Physics.

Mr. J. E. Latta.

1. Elementary Physics.

Professor William C. A. Hammel and Miss Julia Raines.

These courses deal with some of the forms of hand work that are practical in all grades in the rnral as well as in the city schools and with such forms as can be carried on in the class room by the regnlar grade teacher. Clay modeling, construction in paper and cardboard, basketry, Venetian iron work, and knife work are studied for their edncational value, and in their relation to indnstry, with especial emphasis on the aesthetic possibilities.

2. Clay Modeling.

3. Paper Folding and Constrnction in Cardboard.

4. Basketry.
5. Knife Work, elementary and advanced.

Botany.

Mr. IVEY F. LEWIS.

1. Cryptogams and Flowering Plants.

Physiology and Hygiene.

Dr. C. S. MANGUM.

1. Elementary Physiology.
2. A Course for Teachers.

Drawing.

Miss MELVILLE V. FORT.

1. Elementary Drawing. A course for teachers in the common schools.
2. Advanced Drawing.

Chemistry.

Professor A. S. WHEELER.

1. Elementary Course in General Chemistry.
2. Advanced Laboratory Work.

Kindergarten.

Miss M. A. JOHNSTON.

1. The theory of Kindergarten and Primary Methods
2. Practice Kindergarten, in charge of Miss Fales.

Greek.

Professor EBEN ALEXANDER.

1. For Beginners.
2. Book I. of Homer's *Iliad*.

Latin.

Professor GEORGE HOWE.

1. Elementary Course.
2. Advanced Course.

French.

Professor J. D. BRUNER.

1. Elementary Course, with practice in speaking French.
2. Advanced Course.

German.

Professor W. D. TOY.

1. Elementary Course.
2. Advanced Course.

In both courses there will be practice in speaking German.

Library School.

Mr. L. R. WILSON.

1. Library work and methods. Lectures, with practice in the Library.

EXPENSES.

There will be no charge for tuition in the Summer School, except for the

course in advanced Chemistry and that in Library work. An incidental fee of five dollars will, however, be charged.

Double rooms in the University dormitories may be engaged in advance at $2.00 for the session for each occupant, by writiug to the Registrar. A few single rooms are available, at $2.00 each. The rooms are furnished, except with bed linen aud towels. The charge for rent includes service, electric lights and baths.

The price of table board at Commons Hall is $8.00 for the session. For a shorter period, the rate is $3.00 a week, or fifty cents a day.

Rooms may be secured at the Bursar's office. Alumni Hall. For board tickets, apply to the Treasurer at Commons Hall.

All charges are payable in advance.

For the Announcement of the Summer School, with detailed information, address

FRANCIS P. VENABLE, *President*,
Chapel Hill, N. C.

STUDENTS IN SUMMER SCHOOL, 1903.

NAME.	COUNTY.
Adams, S. J.,	Wake.
Adams, T. A.,	Nash.
Alderman, Kate,	Cumberland.
Alexander, Lucy H.,	Orange.
Alexander, Margaret M.,	Orange.
Alexander, Marion H.,	Orange.
Allen, T. M.,	Wake.
Applewhite, Mary K.,	Halifax.
Archbell, Mrs. Henry,	Lenoir.
Ballou, R. L.,	Ashe.
Barwick, Allen J.,	Lenoir.
Baskerville, Mrs. Charles,	Orange.
Becton, Carrie V.,	Wayne.
Berry, John, Jr.,	Orange.
Boddie, W. W.,	Franklin.
Bohannon, E. F.,	Forsyth.

Broadhurst, E. D.,	Guilford.
Brown, T. E.,	New Hanover.
Bruner, Mrs. James D.,	Orange.
Bynum, Frederick Williamson,	Chatham.
Cale, Estelle,	Mecklenburg
Carson, J. M.,	Rutherford.
Cator, Mary L.,	Guilford.
Chandler, L.,	Orange.
Clapp, Georgie E.,	Guilford.
Claytor, Numa R.,	Durham.
Clement, Nannie,	Davie.
Clement, H. C.,	Rowan.
Cobb, Penelope Williams	Orange.
Cole, Ruth,	Mecklenburg
Cothran, Allie,	Durham.
Cowan, Ida,	Durham.
Craig, Mattie Mae,	Alamance.
Cranmer, Mrs. J. B.,	Orange.
Cridlebaugh, W. L.,	Guilford.
Croom, G. H.,	Pender.
Davis, Mildred,	New Hanover.
Davis, R. M.,	Edgecombe.
Davis, R. O. E.,	Columbia, S. C.
Davis, Sallie J.,	Guilford.
Davis, Iva C.,	Wilson.
Douglass, William C.,	Durham.
Dry, M. B.,	Union.
Duncan, Julius Fletcher,	Carteret.
Dunn, Annie,	Halifax.
Edmundson, Kate,	Wake.
Eldridge, Hattie,	Guilford.
Ely, Catharine,	Montgomery, Ala
Everett, S. J.,	Rowan.
Fairley, Kate W.,	Cumberland.
Farmer, Fannie M.,	Wake.
Farrior, Annie,	Wayne.

Ferguson, Anna,	Rockingham.
Flanagan, R. C.,	Pitt.
Foust, T. B.,	Forsyth.
Fulgham, Elise,	Wayne.
Fuller, Thomas Staples,	New York City.
Gallop, Maggie,	Currituck.
Gatling, Julia,	Edgecombe.
Gilliam, M. B.,	Bertie.
Gillespie, Mrs. D. G.,	Edgecombe.
Goodman, Louis,	New Hanover.
Graham, Alexander,	Mecklenburg.
Green, E. M.,	Craven.
Hammel, William C. A ,	Guilford.
Hancock, Lizzie R.,	Craven.
Hardison, Brint,	Martin.
Harper, Myrtie,	Johnston.
Harrison, Nina,	Currituck.
Hassell, Neva,	Martin.
Haywood, A. W., Jr.,	Alamance.
Henson, J. B.,	Union.
Herndon, C. H.,	Alamance.
Herring, R. W.,	Sampson.
Hicks, Mrs. A. A.,	Granville.
Hines, Alice,	Pitt.
Holland, Mrs. Hughes,	Craven.
Holt, Martin H.,	Guilford.
Horney, William J.,	Wilkes.
Hudson, T. F.,	Rowan.
Hume, Thomas, Jr.,	Forsyth.
Irwin, J. P.,	Mecklenburg.
Jackson, N. T.,	Sampson.
Johnson, L. T.,	Sampson.
Jones, Dora,	Alamance.
Kanipe, Ida,	Rutherford.
Keel, Beulah,	Wilson.
Kilpatrick, S. W.,	Lenior.

King, T. L.,	Franklin.
Leak, Mrs. Walter,	Forsyth.
Leonard, J. B.,	Catawba.
Lewis, Cora,	Gaston.
Lewis, Martha Battle,	Wake.
Lewis, Richard H.,	Lenoir.
Lewis, Mrs. Richard H.,	Lenior.
Lilly, Mrs. E. J.,	Cumberland.
Lindsay, S. G.,	Orange.
Long, J. E.,	Guilford.
Lucas, W. A.,	Wilson.
McCanless, W. F.,	Randolph.
MacFadyen, Miriam,	Bladen.
McIntosh, Bessie,	Moore.
McIntosh, Lucy,	Wilson.
McIver, C. R.,	Alamance.
MacNider, George St.C. M.,	Orange.
McNider, James S.,	Perquimans.
McPhail, Nannie,	Moore.
MacRae, Mrs. J. C.,	Orange.
McRae, Mrs. R. S.,	Orange.
Mallison, Elizabeth,	Beaufort.
Mallison, Ella,	Beaufort.
Mangum, Charles S.,	Orange.
Mangum, Mrs. C. S.,	Orange.
Marriott, Williams McKim,	Baltimore, Md.
Marrow, A. Daniel,	Granville.
Marrow, Bessie Douglas,	Granville.
Meade, Rev. William H.,	Orange.
Medearis, Mary,	Forsyth.
Merritt, Robert Amsei,	Johnston.
Monteath, Archie D.,	Randolph.
Moore, Eliza,	Lenoir.
Moore, Gertrnde H.,	Duplin.
Moore, Hight C.,	Wake.
Moseley, Hattie H.,	Lenoir.

Murchison, Maybelle Claire,	Lenoir.
Myers, Reba J.,	Wilson.
Palmer, Sallie M.,	Warren.
Paris, Addie,	Edgecombe.
Paris, Mrs. James,	Granville.
Parker, Emma,	Orange.
Parker, L. L.,	Edgecombe.
Parrott, Hattie S.,	Lenoir.
Payne, Mrs. Lucy A.,	Washington, D. C.
Peacher, Annie Glenn,	Montgomery, Ala.
Pearson, W. M.,	North Carolina.
Pharr, Welborn E.,	Wilkes.
Pigford, Isabelle,	Sampson.
Prince, Mrs. Alice W.,	Orange.
Redmond, Maggie,	Edgecombe.
Renn, Maggie G.,	Surry.
Roberson, Nellie,	Orange.
Roseman, Nellie,	Gaston.
Rouse, Bessie E.,	Wilson.
Royall, Eva,	Wilson.
Russell, Kate,	Durham.
Sallinger, Edna Earle,	Wilson.
Schenck, Michael,	Guilford.
Sheep, S. L.,	Pasquotank.
Shoemaker, D. N.,	Hartsville, S. C.
Short, Henry Blount, Jr.,	Columbus.
Sibley, G. C.,	Louisville, Ky.
Simpson, Cameron,	Montgomery, Ala.
Skinner, B. S.,	Guilford.
Smith, Mary Herbert	Halifax.
Snow, M. Q.,	Surry.
Spain, Lena,	Lenoir.
Starr, A. L.,	Montgomery.
Stevenson, Reston,	New Hanover.
Stewart, H. V.,	Gaston.
Strachan, Hattie,	Johnston.

Strayhorn, Charles,	Orange.
Strickland, George B.,	Wilson.
Strowd, Rev. Thomas W.,	Orange.
Sutton, H. Frances,	Lenoir.
Swindell, Myrtle,	Beaufort.
Swink, W. L.,	Forsyth.
Taylor, Alexander R.,	Columbia, S. C.
Thigpen, K. P.,	Wilson.
Thompson, Lillian,	Orange.
Thompson, Lizzie M.,	Alamance.
Thompson, Margaret G.,	Alamance.
Thorpe, J. B.,	Edgecombe.
Turrentine, J. W.,	Easton, Pa.
Turlington, Ira T.,	Johnston.
Turlington, Mrs. Ira T.,	Johnston.
Usry, W. T.,	Franklin.
Ward, George R.,	Sampson.
Watson, N. M.,	New Hanover.
Webb, Mrs. Edward,	Bertie.
Welch, G. B.,	Swain.
Weyher, Sidy,	Lenoir.
Whitaker, W. A., Jr.,	Forsyth.
Whitehead, Margaret R.,	Cumberland.
Williams, Janie W.,	New Hanover.
Williams, Jesse A.,	Union.
Williams, R. R.,	Catawba.
Winstead, Clee,	Wilson.
Winstead, Zell,	Wilson.
Witherspoon, D.,	Catawba.

THE UNIVERSITY LIBRARY.

OFFICERS.

EBEN ALEXANDER, Ph.D., LL.D., *Supervisor.*
CHARLES LEE RAPER, Ph.D., *Committeeman.*
CHARLES ALPHONSO SMITH, Ph.D., *Committeeman.*
EDWARD KIDDER GRAHAM, A.M., *Committeeman.*
LOUIS ROUND WILSON, A.M., *Librarian.*
ANDREW HALL JOHNSTON, *Assistant.*
JASPER VICTOR HOWARD, *Assistant.*
JOHN HENRY VAUGHAN, *Assistant.*
LINDO BRIGMAN, *Assistant.*
ROY MELTON BROWN, *Assistant.*
CHARLES HENRY SLOAN, *Assistant.*

The University Library contains forty-one thousand two hundred and eighty-eight volumes and about fifteen thousand five hundred pamphlets. The collection of books is being re-classified aud re-catalogued according to the Dewey, or decimal system.

The Dialectic and Philanthropic Literary Societies have made a donation of their valuable collections of twenty thousand volumes to the Library, and have provided for its perpetual endowmeut. The official title of the Library is now The Library of the University of North Caroliua endowed by the Philanthropic and Dialectic Literary Societies.

The funds available for the increase of the Library are expended under the direction of the Snpervisor, the Librarian and the Library Committee, with special refereuce to the instructiou given in the University. The annual increase from purchase, bequests and exchanges averages about one thousand five hundred volumes. The books are carefully classified and catalogued by author, subject and title.

Extensive improvements in the arrangement and administration of the

Library have been made in the direction of better light, more room, and greater efficiency and comfort. The librarian and his assistants are in attendance to give help in any line of research or reading. The reading room is supplied with the best foreign and American periodicals and the leading newspapers of the State and the Nation. The students of the University are allowed access, under necessary limitations, to the bookshelves. The Library and reading room are open on week days from 8:45 A. M., to 1:15 P. M. and from 2:00 P. M., to 5:00 P. M.; on week day evenings, Saturday excepted, from 7:30 P. M. to 9:00 P. M.; on Sunday from 2:45 P. M. to 3:45 P. M.

The University acknowledges gifts to the Library during the year from Mrs. J. P. Anderson, R. Arrowsmith, E. S. Balch, Mrs. J. H. Bridgers, C. Baskerville, K. P. Battle, Mrs. C. E. Bolton, Mrs. J. H. Boner, J. D. Bruner, D. L. Chambers, J. H. Choate, Chroniqne de France Pub. Co., French Government, J. L. Gay, W. Gentsch, Georgia Geological Survey, D. L. Gore, G. W. Graham, A. P. Hepburn, Iowa State Historical Society, John Crerar Library, Johns Hopkins University, A. H. Johnston, G. F. Kunz, Library of Congress, J. MacNie, Massachusetts Bureau of Statistics and Labor and State Board of Charity, Merchant Association of New York, J. C. Mills, Modern Medical Society Pub. Co., H. C. Moore, Nebraska Geological Survey, New South Wales Dept. of Mines, New York State Historian and State Library, North Carolina Government and officials, Mrs. D. E. Osborne, Peabody Institute, Pennsylvania Historical Society and Sons of the Revolution, Rhode Island Supt. Pub. Inst., E. Roebling, E. Seller, E. J. Sellers, C. A. Smith, Southern Educational Board, C. A. G. Thomas, W. D. Toy, United States Superintendent Public Documents and other officials, University de Rennes, F. P. Venable, Vermont Superintendent Public Instruction, West Virginia Historical Society, A. S. Wheeler, Yackety Yack Committee, Young Men's Christian Association of America, Advocate of Peace, American Economist, Asheville Citizen, Atlantic Educational Journal, Case and Comment, Caucasian, Central Presbyterian, Chapel Hill News, Charity and Children, Chat, Chatham Record, Christian Advocate, Columbia University Quarterly, Commonwealth, Delineator, Druggist's Circular, Duplin Journal, Everybody's Magazine, Exchanges of the Tar Heel and of the University Magazine, Fayetteville Observer, Fisherman and Farmer, Franklin Times,

Gospel Messenger, Greensboro Record, Harbinger, Henderson Times, Herald of Gospel Liberty, Hickory Democrat, Hickory Press, Homiletic Review, King's Weekly, La Grange Sentinel, Leaves of Healing, Lenoir Topic, Manufacturer's Record, Mooresville Enterprise, Morganton News-Herald, New Voice, Newton Enterprise, North Carolina Law Journal, Pharmaceutical Era, Polk County News, Presbyterian Standard, Progressive Farmer, Raleigh Christian Advocate, Raleigh Times, Religious Herald, Roanoke-Chowan Times, Salvation, Sampson Democrat, Smithfield Herald, Southern Presbyterian, Statesville Landmark, Sunset, Sylvan Valley News, Tar Heel, Technology Review, Texas School Journal, Texas Quarterly, Trinity Archive, Twin-City Daily Sentinel, University Magazine, Virginian-Pilot, Watchtower, Webster's Weekly, Williamston Enterprise, Wilmington Messenger, Wilmington Weekly Star, Wilson Times, Windsor Ledger.

THE WILLIAM PRESTON BYNUM, JR., GYMNASIUM.

ALFRED DANA BROWNE, *Instructor in Physical Training.*

The William Preston Bynum, Jr., Gymnasium, the gift of Judge William Preston Bynum, in memory of his grandson, William Preston Bynum, Jr., of the class of 1893, is a handsome, two-storied brick building. It will be ready for use in the fall term of 1904, and will be furnished with modern apparatus, swimming pool, baths, lockers and running track. It contains also the trophy room and the office of the Instructor in Physical Training.

Exercise in the Gymnasium is required three hours a week of all the students in College except Seniors. A thorough physical examination of each student is made in the fall, and, in case students desire it, another in the spring. The measurements are indicated in a Prescription of Exercise pamphlet and are furnished to the students free of charge in the fall term. This book contains directions for the developing of every part of the body as well as suggestions on hygiene and personal care of the body; it is free from technicalities and confusing terms. Too much importance cannot be attached to the physical examination, since it enables the student to work intelligently and economize his time. The physical examination is designed to aid the student by pointing out defects, and causing him to direct his efforts toward the correction of them.

LABORATORIES AND MUSEUMS.

THE PHYSICAL LABORATORY.

Joshua Walker Gore, C.E., Director and *Professor of Physics.*
James Edward Latta, A.M., *Instructor in Physics.*

The Physical Laboratory occupies the eastern half of the main floor and almost the whole of the basement floor of the Alumni Building, amounting to about seven thousand square feet of floor space.

The main floor is divided into a lecture room, an apparatus room, laboratory for students in the general course, Physics 1, and a laboratory for X-ray and photometric work.

In the rooms of the basement are located the dynamos, motors, electrical laboratory, electric furnaces, storage battery, and the workshops for wood and metal.

A special appropriation granted by the Legislature in 1903, has made it possible to equip the Physical Laboratory with standard types of electrical machines: dynamos, motors, transformers, meters, switchboard, storage battery, electric furnace and the accessories needed for practical instruction in electrical engineering. The facilities for the general teaching of Physics experimentally have likewise been increased.

The electric light and central heating plants constitute valuable adjuncts to the laboratory.

THE CHEMICAL LABORATORY.

Charles Baskerville, Ph.D., Director and *Smith Professor of General and Industrial Chemistry.*
Francis Preston Venable, Ph.D., *Professor of Theoretical Chemistry.*
Alvin Sawyer Wheeler, Ph.D., *Associate Professor of Organic Chemistry.*

ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Physical Chemistry.*
WILLIAMS MCKIM MARRIOTT, *Assistant in Chemistry.*
LUTHER BYNUM LOCKHART, *Assistant in Chemistry.*
WILLIAM ASBURY WHITAKER, JR., *Assistant in Chemistry.*
WADE HAMPTON OLDHAM, *Assistant in Chemistry.*

The bnilding formerly known as Person Hall is now nsed as the Chemical Laboratory. It has been enlarged and forms a convenient and well-arranged system of laboratories for a limited number of workers. The rooms are eleven in number and contain about six thousand square feet of floor space. The pitch of the rooms is twenty feet, and they are lighted by numerous large windows, five feet by ten in size.

There is a large lecture room with a seating capacity of one hnndred and fifty. The sides and rear of the room have glass cases for the display of a handsome line of specimens, scientific and technical. The room is lighted by electricity and gas. In addition to its use as a lecture room, it is nsed as a place of meeting by the Elisha Mitchell Scientific Society.

Adjoining the lecture room is the private laboratory of the Director, and a smaller room for the storage of specimens and finer apparatus. The west wing of the laboratory is divided into laboratories for qualitative and qnantitative analysis, furnishing desk-space for one hundred and twenty-two and twenty-eight stndents respectively. There is a small room, cnt off from the other laboratories, in which dangerous or disagreeable experiments may be performed.

The rear portion of the laboratory is almost a reproduction of the front in size and outline. It is divided into a balance room, containing nine modern balances and one assay balance, a library, a room with desk-space for five students in physical chemistry, an assay room provided with a set of gas furnaces, a laboratory for toxicological, physiological or other special work, and a store room. In the assay room is placed a large still, which provides an abundance of distilled water.

The laboratories are supplied with water providing good suction. A new and modern gas machine, which supplies ample heat, has recently been installed. The average expenditure for apparatus amounts to fifteen hundred dollars annually. Recently apparatus for gas analysis and many lines of technical work have been purchased; also a new vacnum pnmp, electric

furnace, Steinheil grating spectroscope and other apparatus for refined and accurate work. A room has been fitted up in the New West Building for refined spectroscopic work. Another room in the basement of Alumni Hall is provided with electric furnaces and the modern apparatus for demonstration of the application of electricity to chemical technology.

THE BIOLOGICAL LABORATORY AND MUSEUM.

HENRY VAN PETERS WILSON, PH.D., DIRECTOR *and Professor of Biology.*
WILLIAM CHAMBERS COKER, PH D., *Associate Professor of Botany.*
CLARENCE ALBERT SHORE, S.M., *Instructor in Biology.*
GREEN RAMSEY BERKELEY, A.B., *Assistant in Biology.*

The Biological Laboratory occupies the upper floor of the New East Building, and includes a lecture room, a main laboratory, two smaller laboratories for advanced students, a private workroom and a storeroom. The entire floor space is something over four thousand square feet.

The equipment is especially adapted to the needs of modern microscopical work, and includes compound and dissecting microscopes, microtomes, parafin and hot air baths, incubator, camera lucidas, immersion lenses, etc. All rooms in the laboratory are supplied with running water. In addition to the sinks, there are several large aquarium tables in which living animals may be kept for breeding purposes, study of their habits, or class work.

The museum collections are arranged in cases in the main laboratory. The marine fauna of the Atlantic coast is well represented. There are very serviceable collections of bird skins, bird eggs, insects and flowering plants. Students engaged in advanced work have access to microscopic preparations, illustrating the anatomy and development of sponges and corals, the histology of medusae, the development of teleosts and other objects of morphological interest. The departmental library includes many valuable books of reference, treatises and zoölogical journals.

THE GEOLOGICAL LABORATORY AND MUSEUM.

COLLIER COBB, A.M., DIRECTOR, and *Professor of Geology and Mineralogy.*
WILLIAM WOOTEN EAGLES, *Assistant in Geology.*
GEORGE ST.CLAIR MALLETT MACNIDER, *Assistant in Geology.*

The Geological Laboratory occupies the first floor of the New East Building. In addition to a lecture room with a seating capacity of about ninety, there is a large laboratory supplied with working collections of minerals, rocks and fossils, and with photographs, maps and models illustrating geological structure. The laboratory is furnished with two petrographical microscopes, and with apparatus for the slicing and polishing of rocks. Microscopic slides have been made of most of the specimens from North Carolina; and the department has, also, sections of the typical European rocks. Sections of the rocks around Chapel Hill, and the igneous rocks of the Boston Basin, made by the late Hunter Lee Harris, of the class of 1889, were given to the geological department. A room for photographic work has recently been added.

The University possesses a collection of more than two thousand specimens of typical rocks and minerals from various European localities, and of large specimens of building stones, coals and various products illustrating the economic geology of the State. These are arranged in an exhibition room of six hundred and fifty square feet of floor space. Here are kept also the sections taken with a diamond drill in the coal regions of Pennsylvania, in the region around King's Mountain, where the Summer School in Geology held its sessions, in the Dan River coal fields and in the Triassic Rocks at Durham, N. C. A complete set of the ores of the precious metals found along the line of the Atchison, Topeka and Santa Fé Railroad is included in the collection. Valuable additions have been made to the collections of fossils also, affording increased opportunity for laboratory work in historical geology and palæontology. The collection illustrating economic geology has been largely increased.

The department library, which occupies a room adjoining the exhibition room, is supplied with State and United States Reports, the papers of working geologists, the best works upon Geology, and scientific periodicals.

THE UNIVERSITY ORGANIZATIONS.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

The Dialectic and Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University, and they have shown remarkable power in developing character as well as in training the intellect. They offer facilities for practice in debate, oratory, declamation and essay writing; and their members become practically familiar with parliamentary law and usage.

Each society owns a large, handsomely furnished hall, the walls of which are hung with oil portraits of illustrious members. Meetings are held by each society every Saturday evening during the College year, admission being confined to members. Public contests in debate between the two societies are conducted twice a year and, in addition to these, there is a system of intercollegiate debates. On Monday evening of Commencement week the Inter-society Banquet is held, after which each society has its annual reunion. On Tuesday evening preceding Commencement Day four representatives elected from the two societies have a public competition in debate, and a prize is awarded to the successful competitors.

By immemorial custom, students from the eastern half of the State usually join the Philanthropic Society, while those from the western half join the Dialectic Society. Although membership in the societies is entirely optional, yet it is earnestly recommended by the Faculty as furnishing unusual opportunities not only for literary culture, but also for the development of self-control and the power to persuade and control others.

THE ELISHA MITCHELL SCIENTIFIC SOCIETY.

Charles Baskerville, Ph.D., *President.*
James Edward Latta, A.M., *Vice-President.*
Francis Preston Venable, Ph.D., *Permanent Secretary and Treasurer.*
Alvin Sawyer Wheeler, Ph.D., *Recording Secretary.*

The Elisha Mitchell Scientific Society holds monthly meetings during the College year for the discussion of scientific subjects. A Journal, which is the official organ of the North Carolina Academy of Science, is issued quarterly. The object of the Society is to enconrage scientific research and to record such matters as pertain to the natural history of the State. The membership is at present restricted to the Faculty and students of the University, and members of the staff of the Geological Survey.

At the monthly meetings, which are ordinarily held on the second Tuesday of each month, excellent opportunities are afforded the students to get beyond the ordinary routine of the class room by hearing, reading and discussing papers on scientific subjects.

The Journal is in a measure a bulletin of the scientific laboratories of the University, and contains many articles written by research students. It is now in the twentieth year. The volumes already issued contain two thonsand pages. By the exchange of the Journal with more than three hundred scientific journals and periodicals, over ten thousand books and pamphlets have been collected, all of which are arranged in the University Library.

NORTH CAROLINA HISTORICAL SOCIETY.

Kemp Plummer Battle, LL.D., *President.*
Charles Lee Raper, Ph.D., *Vice-President and Permanent Secretary.*
Marcus Cicero Stephens Noble, *Treasurer.*
John Henry Vaughan, *Recording Secretary.*

The North Carolina Historical Society was founded in 1843 by the Hon. David L. Swain, LL.D., President of the University. Under his leadership it became the centre of historical work in the State and the medium

of many notable contributions to State history. On March 22, 1875, through the activity of Dr. Battle, the Society was chartered by an act of the General Assembly. The purpose of the Society is to collect, classify, investigate and publish material illustrative of the history of the State. The Historical Society possesses a valuable collection of books, pamphlets, manuscripts, newspaper files, coins and other subjects of historic interest. The educational aim of the Society is to create a love of historical study and to give training in scientific methods of historical investigation. To this end meetings are held monthly in the History lecture room, at which papers, based on original research, are read and discussed. All members of the University are eligible to membership.

THE SHAKSPERE CLUB.

THOMAS HUME, D.D., LL.D., *President.*
CHARLES ALPHONSO SMITH, PH.D., *Vice-President.*
CHARLES PHILLIPS RUSSELL, *Secretary.*

The Shakspere Club was organized in October, 1885, for the special purpose of giving impulse and guidance to scholarly investigation of the great dramatist. But an important aim was to offer opportunity for comparative studies in the dramatic literature of ancient and modern languages, and also to excite interest in the art of literary composition. Seminary methods are pursued by advanced students, and the results are presented in papers. The Club has a small but valuable collection of special reference books. Meetings are held monthly in the University Chapel.

THE PHILOLOGICAL CLUB.

WALTER DALLAM TOY, M.A., *President.*
CHARLES ALPHONSO SMITH, PH.D., *Vice-President.*
THOMAS JAMES WILSON, JR., PH.D., *Secretary and Treasurer.*

The Philological Club meets on the first Tuesday evening of each month during the College year. Its membership consists of the instructors and advanced students in the language departments of the University. The

object of the Club is to stimulate original investigation in philology and literature, and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed. All persons interested in the work of the Club are invited to attend its meetings.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

Edmund McDonald, Jr., *President.*
Otho Bescent Ross, *Vice-President.*
Alexander Winston Peace, *Secretary.*
Thomas Grier Miller, *Treasurer.*

The Young Men's Christian Association is a voluntary organization of the students in the University, and is entirely under their management. The Faculty are in sympathy with the Association, and render service whenever requested to do so.

The object of the Association is to promote growth in grace and Christian fellowship among its members and aggressive Christian work among the students. To this end three meetings are held every week.

The Association is now erecting a new building which is to cost twelve thousand dollars.

About one hundred students are enrolled in the Bible classes taught by student members of the Association. During the next session, six Bible courses are offered as follows:—

Messrs. Love, Day, Hunter, Dick, and Leonard.

1. Life of Christ.

   A practical, comprehensive course, based on the life of Christ as presented in the four Gospels, with special reference to the historical development and application of His teachings.

Messrs. Perrett, Mann and Rogers.

2. Studies in the Acts and Epistles.

   With reference to the spread and development of the Christian Church, based on a careful study of the Acts of the Apostles and the Epistles of Paul.

Messrs. DAMERON, PADDISON and DULS.

3. Old Testament Characters.

Arranged for daily, personal study with reference to the lives and work of the Old Testament heroes.

Mr. BARNHARDT.

4. God's Method of Training Workers.

A daily study, systematically arranged, of God's method of training personal workers both in the Old and New Testaments.

Mr. ROSS.

5. Foreign Missions.

A study of missionary heroes (*fall term*). The principles and problems of missions (*spring term*).

Professor BATTLE.

6. New Testament Characters.

Lectures on Sunday, in the University Chapel, 9–9:30 A. M.

Courses 1, 2, 3 and 4 are given on Sunday, 12:30–1:30 P. M. Conrse 5 is given on Sunday evening.

ONE HUNDRED AND EIGHTH COMMENCEMENT (1903).

SUNDAY, MAY 31.

BACCALAUREATE SERMON.

The Right Reverend Alfred Magill Randolph, D.D., LL.D.

SERMON BEFORE THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Reverend Thomas R. English, D.D.

TUESDAY, JUNE 2.

THE ALUMNI ADDRESS.

John Sprnnt Hill, Esqnire, Class of '89.

THE DEBATE BY REPRESENTATIVES FROM THE DIALECTIO AND PHILANTHROPIC LITERARY SOCIETIES.

Dialectic Society.	*Philanthropic Society.*
Neill Ray Graham,	James Horner Winston,
Andrew Hall Johnston.	Edgar Samuel Williamson Dameron.

WEDNESDAY, JUNE 3, COMMENCEMENT DAY.

SENIOR SPEAKERS.

Thomas Jackson Gold,	Curtis Ashley Bynnm,
Bartholomew Fuller Huske,	Charles Edward Maddry.

THE COMMENCEMENT ADDRESS.

William J. Holland, LL.D.

DEGREES.

Bachelors of Arts.

Graham Harris Andrews,
Green Ramsey Berkeley,
Curtis Ashley Bynum,
Milton Calder,
Newton Fernando Farlow,
A.B., Guilford, 1902,
John Reston Giles,
William Jones Gordon,
William Archibald Graham,
George Jackson Green,
A.B., Elon College, 1902,
Francis Sylvester Hassell,
Bartholomew Fuller Huske,
Charles Earl Johnson, Jr.,
George Lyle Jones,
Harry Murray Jones,
John Henry McAden,
Henry Richard McFadyen,
Rufus Clegg Morrow,
Arthur Lee Moser,
A.B., Lenoir College, 1895,
Lester Leonidas Parker,
Edward Ray,
John Kirkland Ross,
Braston Isaiah Tart,
Henry Gray Turner,
Nathan Wilson Walker,
Harold Whitehurst.

Bachelors of Philosophy.

Burke Haywood Bridgers,
William Frederick Carr,
Robert Beatty Collins,
Preston Cummings,
Gaston Gilbert Galloway,
Thomas Jackson Gold,
Thomas Lenoir Gwyn,
Frederick Moir Hanes,
Robert Withington Herring,
Earle Pendleton Holt,
James Wiley Horner,
Zebulon Vance Judd,
Charles Edward Maddry,
James Lathrop Morehead,
Joseph Edmund Pearson,
Harry Pelham Stevens,
Roach Sydney Stewart,
George Robert Ward,
George William Willcox,
Jesse Womble Willcox.

Bachelors of Science.

Hugh Hammond Bennett,
Edward Bnehler Clement,
Renben Oscar Everett,
Thomas Bledsoe Foust,
Marshall Renfro Glenn,
George Washington Graham,
Edmnnd Alexander Hawes, Jr.,
Hazel Holland,
Joshna John Skinner,
James Battle Thorpe,
Jacob Tomlinson,
Hubert Raymond Weller.

Bachelors of Laws.

Julius Fletcher Duncan, A.B., A.M., 1902,
John Christoph Blucher Ehringhaus, A.B., 1901,
James Breeden Gibson, A.B., Wofford, 1901,
Charles Upchurch Harris,
William Frank Smathers.

Graduates in Pharmacy.

David Archie Bullnck,
John Edward Koonce,
William Morgan Perry,
Thomas Floyd Rhodes.

Masters of Science.

Isaac Fonst Harris, S.B., 1900,
Ivey Foreman Lewis, A.B., 1902.

Masters of Arts.

John Kirkland Ross, A.B., 1903,
George Phifer Stevens, A.B., 1902,
Reston Stevenson, A.B., 1902.

Doctor of Philosophy.

Royall Oscar Eugene Davis, PH.B., 1901.

***Doctors of Medicine.**

Zebulon Marvin Caveness,
Willis Dowd Gilmore,
William DeBerniere MacNider,
Martin Luther Matthews.

MEDALS AND PRIZES.

The Holt Medal: Thomas Felix Hickerson.

The Hume Medal: Nathan Wilson Walker.

The Hill Prize: Robert Withington Herring.

The Harris Prize: Joseph Flanner Patterson.

The Greek Prize: Herbert Henry Moses.

The Worth Prize: Curtis Ashley Bynum.

The Library Prizes: Charles Phillips Russell, Edgar Samuel Williamson Dameron.

The Magazine Prizes: Preston Cumming, Jr., Harvey Hatcher Hughes.

The Early English Text Society Prize: Nathan Wilson Walker.

The Bingham Prize: Andrew Hall Johnston, of the Dialectic Society.

The Bryan Prize: Robert Withington Herring.

The Mangum Medal: Charles Edward Maddry.

The Bradham Prize: Leonidas Coleman Griffin.

CERTIFICATES.

Economics: R. W. Herring, G. R. Ward.

English: A. L. Moser, J. K. Ross, N. W. Walker, H. Whitehurst.

French: W. J. Gordon, J. B. Thorpe.

German: B. F. Huske.

Greek: J. R. Giles, W. J. Gordon, R. O. Morrow, H. Whitehurst.

*Presented May 14, 1903, at the closing exercises of the Medical School.

HISTORY: R. W. Herring.

LATIN: J. R. Giles, A. L. Moser.

MATHEMATICS: H. B. Frost, T. F. Hickerson.

PEDAGOGY: E. P. Holt, G. L. Jones, J. E. Pearson, R. S. Stewart, J. Tomlinson.

PHARMACY: A. G. Ahrens, L. C. Griffin.

PHYSICS: B. H. Bridgers, R. A. Lichtenthaeler.

THE ASSOCIATION OF THE ALUMNI.

THE GENERAL ASSOCIATION.

THOMAS S. KENAN, A.B., *President.*
HENRY A. LONDON, A.B., *Secretary.*

The membership includes all persons who have matriculated at the University of North Carolina in any department, except the Summer School, and all who are or have been officers of the institution.

An effort is now being made to accomplish a more thorough organization of the Alumni. The desire is that the individual alumni shall form into Local Alumni Associations in every community. These Local Associations are to form by proportional representation the General Association of the Alumni. The next meeting of the General Association will be held in Gerrard Hall at the University at the Commencement in June, 1904. Local Associations have been formed in certain cities and others will be established in the course of the year. It is hoped that every alumnus will concern himself in assisting the organization in his county or town. A printed statement of the plan of organization has been prepared and will be supplied on request. Inquiries should be directed to Mr. James C. Taylor, Secretary of the Alumni, Chapel Hill, N. C.

GENERAL SUMMARY.

Boards of Government and Instruction and Other Officers.

Trustees,		78
Professors,	35	
Instructors,	10	
Assistants,	14	
	—	59
Summer School Faculty,	26	
Other Officers,	10	

Students.

THE COLLEGE:—		
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Sophomore Class,	91	
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	—	379
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THE LAW DEPARTMENT:—		
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Students, Summer Term,	41	
	—	105
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Fourth-Year Students,	4	
Third-Year Students,	8	
Second-Year Students,	28	
First-Year Students,	32	
	—	72
THE DEPARTMENT OF PHARMACY:—		
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	—	55
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Announcements

THE Fall Term of the University of North Carolina will begin September 5, 1904.

Registration, September 5, 6, 7. Applicants for admission into the University will be examined on the days appointed for registration.

Lectures in the Academic Department and in the Professional Schools will begin September 8, 1904.

Commencement will be on June 1, 1904.

The Summer Law School will begin June 8.

The Summer School for Teachers, June 13–July 8.

For the Catalogue or for detailed information, address

FRANCIS P. VENABLE, PRESIDENT
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL